Greg Tang's Great x Times

MULTIPLICATION WORKSHEETS

GREG TANG'S

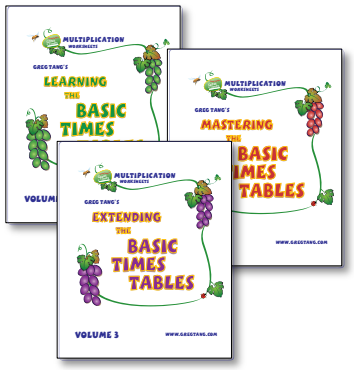
BEYOND THE BASIC TIMES TABLES

VOLUME 3

WWW.GREGTANGMATH.COM

Great Times™ Multiplication Worksheets

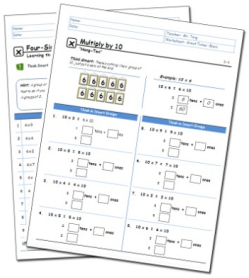
Series Overview



Wouldn't it be great if there were a better way for kids to learn their multiplication facts instead of brute force memorization? If there were a systematic approach that develops true understanding, improves number sense and develops the abstract, algebraic thinking skills needed for higher math? Well there is!

Greg Tang's three-part multiplication series builds on the revolutionary strategies he first introduced in his best-selling picture book The *Best of Times* and made even more popular with his *Great Times* ™ multiplication flash cards. Now, Greg offers a series of worksheets that provides the instruction, practice and rigor kids need to truly master multiplication.

In part 1 of the series, **Learning the Basic Times Tables**, students take the first step in learning multiplication by thinking and adding in smart groups. Greg's common sense approach teaches basic multiplication facts while laying the groundwork for larger numbers. In part 2, **Mastering the Basic Times Tables**, students take the important next step by moving away from addition and learning to think more efficiently using partial products to multiply. Just as addition evolves from counting, multiplication evolves from addition.



In part 3 of the series, **Beyond the Basic Times Tables**, students learn to extend and apply partial products to double-digit numbers. Being good at multiplication means being able to multiply all numbers, not just small numbers. By applying smart grouping strategies more generally, students also learn to think algebraically – the key to being good in math.

Table of Contents

Beyond the Basic Times Tables

Overview

In **Beyond the Basic Times Tables**, students take the first step in learning to multiply bigger numbers by applying partial products to double-digit numbers. There are several important benefits. First, since single-digit multiplication is used to multiply double-digit numbers, students get more practice with their basic facts. Second, they get the obvious benefit of learning to multiply numbers of any size. Most kids can only work with small numbers, which is one of the reasons they struggle with math as they get older. Third, students learn to think algebraically. The ability to think more generally and apply specific strategies to a wide range of problems and situations is the key to being a good problem solver.

To multiply bigger numbers, students learn to first break apart numbers into smaller, more manageable parts. The next step is to apply the distributive property and multiply the parts. For example, to multiply 4 x 17, first break 17 into 10 + 7. Then multiply 4 x 10 = 40 and 4 x 7 = 28. The sum of these partial products is the total product or answer, so 4 x 17 = 40 + 28 = 68. Algebraically, the distributive property can be written as: a x (b + c) = (a x b) + (a x c). This extremely important property is the key to working with big numbers and complex equations.

Sequence. With these worksheets, students will learn to solve two kinds of double-digit multiplication problems: single-digit numbers times double-digit numbers and double-digit numbers times single-digit numbers. The double-digit numbers range from 11 to 20, but the same concepts can be applied more generally to numbers of any size.

Format. A simple horizontal format is used to help students visualize and apply the distributive property. Initially, students write out the partial products to make computations easier, but subsequently they must do everything in their heads rather than on paper.. Being good at mental math is critical to developing strong math skills.

	Distributive Property	Think Quick
4 x 17	4 x (10+7) = (4x10) + (4x7)	4 x 17 = 68

Assessment. To gain practice and give teachers and parents a chance to assess their skills, students apply individual strategies first to a single number at a time and then more generally to different numbers. True mastery means being able to multiply any number in any order both quickly and correctly.

How It Works

Multiplication strategies are presented in sequential order, starting with 0 and progressing up to 20. Single-digit numbers are multiplied by double-digit numbers, then double-digit numbers by single-digit numbers. Since it is helpful for students learning a new strategy to write down intermediate steps, the worksheets begin by asking for both partial products and the total product or answer.

	Write out partial products	Final answer
4 x 17	(4x10) + (4x7) = 40 + 28	4 x 17 = 68

Once students are familiar with a strategy and can solve problems when they write out the partial products, the next step is to do the entire calculation in their heads. Worksheets that ask only for the final answer help develop good mental math skills.

	Do entire calculation mentally	Final answer
4 x 17	(4x10) + (4x7)	4 x 17 = 68

After mastering specific strategies, students are asked to think more generally by applying different strategies first to one number at a time and then to various numbers in any order. These worksheets give students much-needed practice and give teachers and parents the opportunity to assess their skills and understanding.

	Apply distributive property	Final answer
3 x 16	(3x10) + (3x6)	3 x 16 = 48
7 x 13	(7x10) + (7x3)	7 x 13 = 91
6 x 12	(6x10) + (6x2)	6 x 12 = 72

The final worksheets use a traditional problem-answer format and no grouping strategies are provided. Students must be able to look at a problem, apply the distributive property, and do all the necessary calculations quickly and correctly in their heads. With practice, double-digit multiplication is fun, fast and easy!

	Think Smart	Think Quick
15 x 8 = 120	4 x 19 = 76	18 x 9 = 162

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 0

"A group of 0's quickly done – no matter what the answer's none!"

0 times any number is **zero**. This is also known as the **zero** property of multiplication.	**0 x 16** = a group of **0** 16s = **0**

	Think Smart				Think Quick		
1.	**0 x 15**	**a group of**		**15s**	**0 x 15** =		
2.	**0 x 14**	**a group of**		**14s**	**0 x 14** =		
3.	**0 x 11**	**a group of**		**11s**	**0 x 11** =		
4.	**0 x 13**	**a group of**		**13s**	**0 x 13** =		
5.	**0 x 12**	**a group of**		**12s**	**0 x 12** =		
6.	**0 x 18**	**a group of**		**18s**	**0 x 18** =		
7.	**0 x 16**	**a group of**		**16s**	**0 x 16** =		
8.	**0 x 19**	**a group of**		**19s**	**0 x 19** =		
9.	**0 x 17**	**a group of**		**17s**	**0 x 17** =		
10.	**0 x 20**	**a group of**		**20s**	**0 x 20** =		

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 1

"A group of 1 you won't forget – what you see is what you get!"

1 times any number is the number itself. **1** is also called the **multiplicative identity**.	**1 x 15** = a group of [**1**] 15 = **15**

	Think Smart				Think Quick	
1.	1 x 15	a group of		15	1 x 15 =	
2.	1 x 14	a group of		14	1 x 14 =	
3.	1 x 11	a group of		11	1 x 11 =	
4.	1 x 13	a group of		13	1 x 13 =	
5.	1 x 12	a group of		12	1 x 12 =	
6.	1 x 18	a group of		18	1 x 18 =	
7.	1 x 16	a group of		16	1 x 16 =	
8.	1 x 19	a group of		19	1 x 19 =	
9.	1 x 17	a group of		17	1 x 17 =	
10.	1 x 20	a group of		20	1 x 20 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 2

Write out the partial products then add them in your head.

To multiply **2** times a double-digit number, break the number into two parts. Multiply **2** times the first part then **2** times the second part. Add these "partial products" to get the total product.

2 x 17 = (2 x 10) + (2 x 7)
= 20 + 14
= **34**

		Think Smart		Think Quick
1.	2 x 15	(2x10) + (2x5) = ☐ + ☐		2 x 15 = ☐
2.	2 x 14	(2x10) + (2x4) = ☐ + ☐		2 x 14 = ☐
3.	2 x 11	(2x10) + (2x1) = ☐ + ☐		2 x 11 = ☐
4.	2 x 13	(2x10) + (2x3) = ☐ + ☐		2 x 13 = ☐
5.	2 x 12	(2x10) + (2x2) = ☐ + ☐		2 x 12 = ☐
6.	2 x 18	(2x10) + (2x8) = ☐ + ☐		2 x 18 = ☐
7.	2 x 16	(2x10) + (2x6) = ☐ + ☐		2 x 16 = ☐
8.	2 x 19	(2x10) + (2x9) = ☐ + ☐		2 x 19 = ☐
9.	2 x 17	(2x10) + (2x7) = ☐ + ☐		2 x 17 = ☐
10.	2 x 20	(2x10) + (2x10) = ☐ + ☐		2 x 20 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 3

Write out the partial products then add them in your head.

To multiply **3** times a double-digit number, break the number into two parts. Multiply **3** times the first part then **3** times the second part. Add these "partial products" to get the total product.

3 x 17 = (3 x 10) + (3 x 7)
= 30 + 21
= **51**

		Think Smart		Think Quick
1.	3 x 15	(3x10) + (3x5) =	+	3 x 15 =
2.	3 x 14	(3x10) + (3x4) =	+	3 x 14 =
3.	3 x 11	(3x10) + (3x1) =	+	3 x 11 =
4.	3 x 13	(3x10) + (3x3) =	+	3 x 13 =
5.	3 x 12	(3x10) + (3x2) =	+	3 x 12 =
6.	3 x 18	(3x10) + (3x8) =	+	3 x 18 =
7.	3 x 16	(3x10) + (3x6) =	+	3 x 16 =
8.	3 x 19	(3x10) + (3x9) =	+	3 x 19 =
9.	3 x 17	(3x10) + (3x7) =	+	3 x 17 =
10.	3 x 20	(3x10) + (3x10) =	+	3 x 20 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 4

Write out the partial products then add them in your head.

To multiply **4** times a double-digit number, break the number into two parts. Multiply **4** times the first part then **4** times the second part. Add these "partial products" to get the total product.

4 x 17 = (4 x 10) + (4 x 7)
= 40 + 28
= **68**

		Think Smart		Think Quick
1.	4 x 15	(4x10) + (4x5) =	+	4 x 15 =
2.	4 x 14	(4x10) + (4x4) =	+	4 x 14 =
3.	4 x 11	(4x10) + (4x1) =	+	4 x 11 =
4.	4 x 13	(4x10) + (4x3) =	+	4 x 13 =
5.	4 x 12	(4x10) + (4x2) =	+	4 x 12 =
6.	4 x 18	(4x10) + (4x8) =	+	4 x 18 =
7.	4 x 16	(4x10) + (4x6) =	+	4 x 16 =
8.	4 x 19	(4x10) + (4x9) =	+	4 x 19 =
9.	4 x 17	(4x10) + (4x7) =	+	4 x 17 =
10.	4 x 20	(4x10) + (4x10) =	+	4 x 20 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 5

Write out the partial products then add them in your head.

To multiply **5** times a double-digit number, break the number into two parts. Multiply **5** times the first part then **5** times the second part. Add these "partial products" to get the total product.

5 x 17 = (5 x 10) + (5 x 7)
= 50 + 35
= **85**

		Think Smart		Think Quick
1.	5 x 15	(5x10) + (5x5) =	+	5 x 15 =
2.	5 x 14	(5x10) + (5x4) =	+	5 x 14 =
3.	5 x 11	(5x10) + (5x1) =	+	5 x 11 =
4.	5 x 13	(5x10) + (5x3) =	+	5 x 13 =
5.	5 x 12	(5x10) + (5x2) =	+	5 x 12 =
6.	5 x 18	(5x10) + (5x8) =	+	5 x 18 =
7.	5 x 16	(5x10) + (5x6) =	+	5 x 16 =
8.	5 x 19	(5x10) + (5x9) =	+	5 x 19 =
9.	5 x 17	(5x10) + (5x7) =	+	5 x 17 =
10.	5 x 20	(5x10) + (5x10) =	+	5 x 20 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 6

Write out the partial products then add them in your head.

To multiply **6** times a double-digit number, break the number into two parts. Multiply **6** times the first part then **6** times the second part. Add these "partial products" to get the total product.

6 x 17 = (6 x 10) + (6 x 7)
= 60 + 42
= **102**

		Think Smart		Think Quick
1.	6 x 15	(6x10) + (6x5) =	+	6 x 15 =
2.	6 x 14	(6x10) + (6x4) =	+	6 x 14 =
3.	6 x 11	(6x10) + (6x1) =	+	6 x 11 =
4.	6 x 13	(6x10) + (6x3) =	+	6 x 13 =
5.	6 x 12	(6x10) + (6x2) =	+	6 x 12 =
6.	6 x 18	(6x10) + (6x8) =	+	6 x 18 =
7.	6 x 16	(6x10) + (6x6) =	+	6 x 16 =
8.	6 x 19	(6x10) + (6x9) =	+	6 x 19 =
9.	6 x 17	(6x10) + (6x7) =	+	6 x 17 =
10.	6 x 20	(6x10) + (6x10) =	+	6 x 20 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 7

Write out the partial products then add them in your head.

To multiply **7** times a double-digit number, break the number into two parts. Multiply **7** times the first part then **7** times the second part. Add these "partial products" to get the total product.

7 x 17 = (7 x 10) + (7 x 7)
= 70 + 49
= **119**

		Think Smart		Think Quick
1.	7 x 15	(7x10) + (7x5) = ☐ + ☐		7 x 15 = ☐
2.	7 x 14	(7x10) + (7x4) = ☐ + ☐		7 x 14 = ☐
3.	7 x 11	(7x10) + (7x1) = ☐ + ☐		7 x 11 = ☐
4.	7 x 13	(7x10) + (7x3) = ☐ + ☐		7 x 13 = ☐
5.	7 x 12	(7x10) + (7x2) = ☐ + ☐		7 x 12 = ☐
6.	7 x 18	(7x10) + (7x8) = ☐ + ☐		7 x 18 = ☐
7.	7 x 16	(7x10) + (7x6) = ☐ + ☐		7 x 16 = ☐
8.	7 x 19	(7x10) + (7x9) = ☐ + ☐		7 x 19 = ☐
9.	7 x 17	(7x10) + (7x7) = ☐ + ☐		7 x 17 = ☐
10.	7 x 20	(7x10) + (7x10) = ☐ + ☐		7 x 20 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 8

Write out the partial products then add them in your head.

To multiply **8** times a double-digit number, break the number into two parts. Multiply **8** times the first part then **8** times the second part. Add these "partial products" to get the total product.

8 x 17 = (8 x 10) + (8 x 7)
= 80 + 56
= **136**

		Think Smart		Think Quick
1.	8 x 15	(8x10) + (8x5) = ☐ + ☐		8 x 15 = ☐
2.	8 x 14	(8x10) + (8x4) = ☐ + ☐		8 x 14 = ☐
3.	8 x 11	(8x10) + (8x1) = ☐ + ☐		8 x 11 = ☐
4.	8 x 13	(8x10) + (8x3) = ☐ + ☐		8 x 13 = ☐
5.	8 x 12	(8x10) + (8x2) = ☐ + ☐		8 x 12 = ☐
6.	8 x 18	(8x10) + (8x8) = ☐ + ☐		8 x 18 = ☐
7.	8 x 16	(8x10) + (8x6) = ☐ + ☐		8 x 16 = ☐
8.	8 x 19	(8x10) + (8x9) = ☐ + ☐		8 x 19 = ☐
9.	8 x 17	(8x10) + (8x7) = ☐ + ☐		8 x 17 = ☐
10.	8 x 20	(8x10) + (8x10) = ☐ + ☐		8 x 20 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 9

Write out the partial products then add them in your head.

To multiply **9** times a double-digit number, break the number into two parts. Multiply **9** times the first part then **9** times the second part. Add these "partial products" to get the total product.

9 x 17 = (9 x 10) + (9 x 7)
= 90 + 63
= **153**

		Think Smart		Think Quick
1.	9 x 15	(9x10) + (9x5) =	+	9 x 15 =
2.	9 x 14	(9x10) + (9x4) =	+	9 x 14 =
3.	9 x 11	(9x10) + (9x1) =	+	9 x 11 =
4.	9 x 13	(9x10) + (9x3) =	+	9 x 13 =
5.	9 x 12	(9x10) + (9x2) =	+	9 x 12 =
6.	9 x 18	(9x10) + (9x8) =	+	9 x 18 =
7.	9 x 16	(9x10) + (9x6) =	+	9 x 16 =
8.	9 x 19	(9x10) + (9x9) =	+	9 x 19 =
9.	9 x 17	(9x10) + (9x7) =	+	9 x 17 =
10.	9 x 20	(9x10) + (9x10) =	+	9 x 20 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 10

Write out the partial products then add them in your head.

To multiply **10** times a double-digit number, break the number into two parts. Multiply **10** times the first part then **10** times the second part. Add these "partial products" to get the total product.

10 x 17 = (10 x 10) + (10 x 7)
= 100 + 70
= **170**

	Think Smart					Think Quick	
1.	10 x 15	(10x10) + (10x5)	=		+	10 x 15 =	
2.	10 x 14	(10x10) + (10x4)	=		+	10 x 14 =	
3.	10 x 11	(10x10) + (10x1)	=		+	10 x 11 =	
4.	10 x 13	(10x10) + (10x3)	=		+	10 x 13 =	
5.	10 x 12	(10x10) + (10x2)	=		+	10 x 12 =	
6.	10 x 18	(10x10) + (10x8)	=		+	10 x 18 =	
7.	10 x 16	(10x10) + (10x6)	=		+	10 x 16 =	
8.	10 x 19	(10x10) + (10x9)	=		+	10 x 19 =	
9.	10 x 17	(10x10) + (10x7)	=		+	10 x 17 =	
10.	10 x 20	(10x10) + (10x10)	=		+	10 x 20 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 11

Write out the partial products then add them in your head.

A group of 11 is a group of 10 plus a group of 1. So 11 times a number is **10** times the number plus **1** times the number. The sum of the "partial products" is the total product or answer.

11 x 7 = (10 x 7) + (1 x 7)
= 70 + 7
= **77**

		Think Smart		Think Quick
1.	11 x 5	(10x5) + (1x5) =	+	11 x 5 =
2.	11 x 4	(10x4) + (1x4) =	+	11 x 4 =
3.	11 x 1	(10x1) + (1x1) =	+	11 x 1 =
4.	11 x 3	(10x3) + (1x3) =	+	11 x 3 =
5.	11 x 2	(10x2) + (1x2) =	+	11 x 2 =
6.	11 x 8	(10x8) + (1x8) =	+	11 x 8 =
7.	11 x 6	(10x6) + (1x6) =	+	11 x 6 =
8.	11 x 9	(10x9) + (1x9) =	+	11 x 9 =
9.	11 x 7	(10x7) + (1x7) =	+	11 x 7 =
10.	11 x 10	(10x10) + (1x10) =	+	11 x 10 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 12

Write out the partial products then add them in your head.

12 times a number is **10** times the number plus **2** times the number. The sum of these "partial products" is the total product or answer.

12 x 7 = (10 x 7) + (2 x 7)
= 70 + 14
= **84**

		Think Smart					Think Quick		
1.	12 x 5	(10x5) + (2x5)	=		+		12 x 5	=	
2.	12 x 4	(10x4) + (2x4)	=		+		12 x 4	=	
3.	12 x 1	(10x1) + (2x1)	=		+		12 x 1	=	
4.	12 x 3	(10x3) + (2x3)	=		+		12 x 3	=	
5.	12 x 2	(10x2) + (2x2)	=		+		12 x 2	=	
6.	12 x 8	(10x8) + (2x8)	=		+		12 x 8	=	
7.	12 x 6	(10x6) + (2x6)	=		+		12 x 6	=	
8.	12 x 9	(10x9) + (2x9)	=		+		12 x 9	=	
9.	12 x 7	(10x7) + (2x7)	=		+		12 x 7	=	
10.	12 x 10	(10x10) + (2x10)	=		+		12 x 10	=	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 13

Write out the partial products then add them in your head.

13 times a number is **10** times the number plus **3** times the number. The sum of these "partial products" is the total product or answer.

13 x 7 = (10 x 7) + (3 x 7)
= 70 + 21
= **91**

		Think Smart					Think Quick		
1.	13 x 5	(10x5) + (3x5)	=		+		13 x 5	=	
2.	13 x 4	(10x4) + (3x4)	=		+		13 x 4	=	
3.	13 x 1	(10x1) + (3x1)	=		+		13 x 1	=	
4.	13 x 3	(10x3) + (3x3)	=		+		13 x 3	=	
5.	13 x 2	(10x2) + (3x2)	=		+		13 x 2	=	
6.	13 x 8	(10x8) + (3x8)	=		+		13 x 8	=	
7.	13 x 6	(10x6) + (3x6)	=		+		13 x 6	=	
8.	13 x 9	(10x9) + (3x9)	=		+		13 x 9	=	
9.	13 x 7	(10x7) + (3x7)	=		+		13 x 7	=	
10.	13 x 10	(10x10) + (3x10)	=		+		13 x 10	=	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 14

Write out the partial products then add them in your head.

14 times a number is **10** times the number plus **4** times the number. The sum of these "partial products" is the total product or answer.	**14 x 7** = (10 x 7) + (4 x 7) = 70 + 28 = **98**

		Think Smart		Think Quick
1.	14 x 5	(10x5) + (4x5) = ☐ + ☐		14 x 5 = ☐
2.	14 x 4	(10x4) + (4x4) = ☐ + ☐		14 x 4 = ☐
3.	14 x 1	(10x1) + (4x1) = ☐ + ☐		14 x 1 = ☐
4.	14 x 3	(10x3) + (4x3) = ☐ + ☐		14 x 3 = ☐
5.	14 x 2	(10x2) + (4x2) = ☐ + ☐		14 x 2 = ☐
6.	14 x 8	(10x8) + (4x8) = ☐ + ☐		14 x 8 = ☐
7.	14 x 6	(10x6) + (4x6) = ☐ + ☐		14 x 6 = ☐
8.	14 x 9	(10x9) + (4x9) = ☐ + ☐		14 x 9 = ☐
9.	14 x 7	(10x7) + (4x7) = ☐ + ☐		14 x 7 = ☐
10.	14 x 10	(10x10) + (4x10) = ☐ + ☐		14 x 10 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 15

Write out the partial products then add them in your head.

15 times a number is **10** times the number plus **5** times the number. The sum of these "partial products" is the total product or answer. Hint: remember 5 is half of 10!	**15 x 7** = (10 x 7) + (5 x 7) = 70 + 35 = **105**

		Think Smart					Think Quick		
1.	15 x 5	(10x5) + (5x5)	=		+		15 x 5	=	
2.	15 x 4	(10x4) + (5x4)	=		+		15 x 4	=	
3.	15 x 1	(10x1) + (5x1)	=		+		15 x 1	=	
4.	15 x 3	(10x3) + (5x3)	=		+		15 x 3	=	
5.	15 x 2	(10x2) + (5x2)	=		+		15 x 2	=	
6.	15 x 8	(10x8) + (5x8)	=		+		15 x 8	=	
7.	15 x 6	(10x6) + (5x6)	=		+		15 x 6	=	
8.	15 x 9	(10x9) + (5x9)	=		+		15 x 9	=	
9.	15 x 7	(10x7) + (5x7)	=		+		15 x 7	=	
10.	15 x 10	(10x10) + (5x10)	=		+		15 x 10	=	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 16

Write out the partial products then add them in your head.

16 times a number is **10** times the number plus **6** times the number. The sum of these "partial products" is the total product or answer.

16 x 7 = (10 x 7) + (6 x 7)
= 70 + 42
= **112**

		Think Smart					Think Quick		
1.	16 x 5	(10x5) + (6x5)	=		+		16 x 5	=	
2.	16 x 4	(10x4) + (6x4)	=		+		16 x 4	=	
3.	16 x 1	(10x1) + (6x1)	=		+		16 x 1	=	
4.	16 x 3	(10x3) + (6x3)	=		+		16 x 3	=	
5.	16 x 2	(10x2) + (6x2)	=		+		16 x 2	=	
6.	16 x 8	(10x8) + (6x8)	=		+		16 x 8	=	
7.	16 x 6	(10x6) + (6x6)	=		+		16 x 6	=	
8.	16 x 9	(10x9) + (6x9)	=		+		16 x 9	=	
9.	16 x 7	(10x7) + (6x7)	=		+		16 x 7	=	
10.	16 x 10	(10x10) + (6x10)	=		+		16 x 10	=	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 17

Write out the partial products then add them in your head.

17 times a number is **10** times the number plus **7** times the number. The sum of these "partial products" is the total product or answer.

17 x 7 = (10 x 7) + (7 x 7)
= 70 + 49
= **119**

		Think Smart					Think Quick		
1.	17 x 5	(10x5) + (7x5)	=		+		17 x 5	=	
2.	17 x 4	(10x4) + (7x4)	=		+		17 x 4	=	
3.	17 x 1	(10x1) + (7x1)	=		+		17 x 1	=	
4.	17 x 3	(10x3) + (7x3)	=		+		17 x 3	=	
5.	17 x 2	(10x2) + (7x2)	=		+		17 x 2	=	
6.	17 x 8	(10x8) + (7x8)	=		+		17 x 8	=	
7.	17 x 6	(10x6) + (7x6)	=		+		17 x 6	=	
8.	17 x 9	(10x9) + (7x9)	=		+		17 x 9	=	
9.	17 x 7	(10x7) + (7x7)	=		+		17 x 7	=	
10.	17 x 10	(10x10) + (7x10)	=		+		17 x 10	=	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 18

Write out the partial products then add them in your head.

18 times a number is **10** times the number plus **8** times the number. The sum of these "partial products" is the total product or answer.

18 x 7 = (10 x 7) + (8 x 7)
= 70 + 56
= **126**

		Think Smart					Think Quick		
1.	18 x 5	(10x5) + (8x5)	=		+		18 x 5	=	
2.	18 x 4	(10x4) + (8x4)	=		+		18 x 4	=	
3.	18 x 1	(10x1) + (8x1)	=		+		18 x 1	=	
4.	18 x 3	(10x3) + (8x3)	=		+		18 x 3	=	
5.	18 x 2	(10x2) + (8x2)	=		+		18 x 2	=	
6.	18 x 8	(10x8) + (8x8)	=		+		18 x 8	=	
7.	18 x 6	(10x6) + (8x6)	=		+		18 x 6	=	
8.	18 x 9	(10x9) + (8x9)	=		+		18 x 9	=	
9.	18 x 7	(10x7) + (8x7)	=		+		18 x 7	=	
10.	18 x 10	(10x10) + (8x10)	=		+		18 x 10	=	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 19

Write out the partial products then add them in your head.

19 times a number is **10** times the number plus **9** times the number. The sum of these "partial products" is the total product or answer.

19 x 7 = (10 x 7) + (9 x 7)
= 70 + 63
= **133**

		Think Smart					Think Quick		
1.	19 x 5	(10x5) + (9x5)	=		+		19 x 5	=	
2.	19 x 4	(10x4) + (9x4)	=		+		19 x 4	=	
3.	19 x 1	(10x1) + (9x1)	=		+		19 x 1	=	
4.	19 x 3	(10x3) + (9x3)	=		+		19 x 3	=	
5.	19 x 2	(10x2) + (9x2)	=		+		19 x 2	=	
6.	19 x 8	(10x8) + (9x8)	=		+		19 x 8	=	
7.	19 x 6	(10x6) + (9x6)	=		+		19 x 6	=	
8.	19 x 9	(10x9) + (9x9)	=		+		19 x 9	=	
9.	19 x 7	(10x7) + (9x7)	=		+		19 x 7	=	
10.	19 x 10	(10x10) + (9x10)	=		+		19 x 10	=	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 20

Write out the partial products then add them in your head.

20 times a number is **10** times the number plus **10** times the number. The sum of these "partial products" is the total product or answer.

20 x 7 = (10 x 7) +(10 x 7)
= 70 + 70
= **140**

	Think Smart						Think Quick		
1.	20 x 5	(10x5) + (10x5)	=		+		20 x 5	=	
2.	20 x 4	(10x4) + (10x4)	=		+		20 x 4	=	
3.	20 x 1	(10x1) + (10x1)	=		+		20 x 1	=	
4.	20 x 3	(10x3) + (10x3)	=		+		20 x 3	=	
5.	20 x 2	(10x2) + (10x2)	=		+		20 x 2	=	
6.	20 x 8	(10x8) + (10x8)	=		+		20 x 8	=	
7.	20 x 6	(10x6) + (10x6)	=		+		20 x 6	=	
8.	20 x 9	(10x9) + (10x9)	=		+		20 x 9	=	
9.	20 x 7	(10x7) + (10x7)	=		+		20 x 7	=	
10.	20 x 10	(10x10) + (10x10)	=		+		20 x 10	=	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 2

Now do everything in your head!

To multiply **2** times a double-digit number, break the number into two parts. Multiply **2** times the first part then **2** times the second part. Add these "partial products" to get the total product.

2 x 17 = (2 x 10) + (2 x 7)
= 20 + 14
= **34**

		Think Smart	Think Quick
1.	2 x 15	(2x10) + (2x5)	2 x 15 =
2.	2 x 14	(2x10) + (2x4)	2 x 14 =
3.	2 x 11	(2x10) + (2x1)	2 x 11 =
4.	2 x 13	(2x10) + (2x3)	2 x 13 =
5.	2 x 12	(2x10) + (2x2)	2 x 12 =
6.	2 x 18	(2x10) + (2x8)	2 x 18 =
7.	2 x 16	(2x10) + (2x6)	2 x 16 =
8.	2 x 19	(2x10) + (2x9)	2 x 19 =
9.	2 x 17	(2x10) + (2x7)	2 x 17 =
10.	2 x 20	(2x10) + (2x10)	2 x 20 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 3

Now do everything in your head!

To multiply **3** times a double-digit number, break the number into two parts. Multiply **3** times the first part then **3** times the second part. Add these "partial products" to get the total product.

3 x 17 = (3 x 10) + (3 x 7)
= 30 + 21
= **51**

		Think Smart	Think Quick
1.	3 x 15	(3x10) + (3x5)	3 x 15 =
2.	3 x 14	(3x10) + (3x4)	3 x 14 =
3.	3 x 11	(3x10) + (3x1)	3 x 11 =
4.	3 x 13	(3x10) + (3x3)	3 x 13 =
5.	3 x 12	(3x10) + (3x2)	3 x 12 =
6.	3 x 18	(3x10) + (3x8)	3 x 18 =
7.	3 x 16	(3x10) + (3x6)	3 x 16 =
8.	3 x 19	(3x10) + (3x9)	3 x 19 =
9.	3 x 17	(3x10) + (3x7)	3 x 17 =
10.	3 x 20	(3x10) + (3x10)	3 x 20 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 4

Now do everything in your head!

To multiply **4** times a double-digit number, break the number into two parts. Multiply **4** times the first part then **4** times the second part. Add these "partial products" to get the total product.

4 x 17 = (4 x 10) + (4 x 7)
= 40 + 28
= **68**

		Think Smart	Think Quick
1.	4 x 15	(4x10) + (4x5)	4 x 15 =
2.	4 x 14	(4x10) + (4x4)	4 x 14 =
3.	4 x 11	(4x10) + (4x1)	4 x 11 =
4.	4 x 13	(4x10) + (4x3)	4 x 13 =
5.	4 x 12	(4x10) + (4x2)	4 x 12 =
6.	4 x 18	(4x10) + (4x8)	4 x 18 =
7.	4 x 16	(4x10) + (4x6)	4 x 16 =
8.	4 x 19	(4x10) + (4x9)	4 x 19 =
9.	4 x 17	(4x10) + (4x7)	4 x 17 =
10.	4 x 20	(4x10) + (4x10)	4 x 20 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 5

Now do everything in your head!

To multiply **5** times a double-digit number, break the number into two parts. Multiply **5** times the first part then **5** times the second part. Add these "partial products" to get the total product.

5 x 17 = (5 x 10) + (5 x 7)
= 50 + 35
= **85**

		Think Smart	Think Quick
1.	5 x 15	(5x10) + (5x5)	5 x 15 =
2.	5 x 14	(5x10) + (5x4)	5 x 14 =
3.	5 x 11	(5x10) + (5x1)	5 x 11 =
4.	5 x 13	(5x10) + (5x3)	5 x 13 =
5.	5 x 12	(5x10) + (5x2)	5 x 12 =
6.	5 x 18	(5x10) + (5x8)	5 x 18 =
7.	5 x 16	(5x10) + (5x6)	5 x 16 =
8.	5 x 19	(5x10) + (5x9)	5 x 19 =
9.	5 x 17	(5x10) + (5x7)	5 x 17 =
10.	5 x 20	(5x10) + (5x10)	5 x 20 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 6

Now do everything in your head!

To multiply **6** times a double-digit number, break the number into two parts. Multiply **6** times the first part then **6** times the second part. Add these "partial products" to get the total product.

6 x 17 = (6 x 10) + (6 x 7)
= 60 + 42
= **102**

		Think Smart	Think Quick
1.	6 x 15	(6x10) + (6x5)	6 x 15 =
2.	6 x 14	(6x10) + (6x4)	6 x 14 =
3.	6 x 11	(6x10) + (6x1)	6 x 11 =
4.	6 x 13	(6x10) + (6x3)	6 x 13 =
5.	6 x 12	(6x10) + (6x2)	6 x 12 =
6.	6 x 18	(6x10) + (6x8)	6 x 18 =
7.	6 x 16	(6x10) + (6x6)	6 x 16 =
8.	6 x 19	(6x10) + (6x9)	6 x 19 =
9.	6 x 17	(6x10) + (6x7)	6 x 17 =
10.	6 x 20	(6x10) + (6x10)	6 x 20 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 7

Now do everything in your head!

To multiply **7** times a double-digit number, break the number into two parts. Multiply **7** times the first part then **7** times the second part. Add these "partial products" to get the total product.

7 x 17 = (7 x 10) + (7 x 7)
= 70 + 49
= **119**

		Think Smart	Think Quick
1.	7 x 15	(7x10) + (7x5)	7 x 15 =
2.	7 x 14	(7x10) + (7x4)	7 x 14 =
3.	7 x 11	(7x10) + (7x1)	7 x 11 =
4.	7 x 13	(7x10) + (7x3)	7 x 13 =
5.	7 x 12	(7x10) + (7x2)	7 x 12 =
6.	7 x 18	(7x10) + (7x8)	7 x 18 =
7.	7 x 16	(7x10) + (7x6)	7 x 16 =
8.	7 x 19	(7x10) + (7x9)	7 x 19 =
9.	7 x 17	(7x10) + (7x7)	7 x 17 =
10.	7 x 20	(7x10) + (7x10)	7 x 20 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 8

Now do everything in your head!

To multiply **8** times a double-digit number, break the number into two parts. Multiply **8** times the first part then **8** times the second part. Add these "partial products" to get the total product.

8 x 17 = (8 x 10) + (8 x 7)
= 80 + 56
= **136**

		Think Smart	Think Quick
1.	8 x 15	(8x10) + (8x5)	8 x 15 =
2.	8 x 14	(8x10) + (8x4)	8 x 14 =
3.	8 x 11	(8x10) + (8x1)	8 x 11 =
4.	8 x 13	(8x10) + (8x3)	8 x 13 =
5.	8 x 12	(8x10) + (8x2)	8 x 12 =
6.	8 x 18	(8x10) + (8x8)	8 x 18 =
7.	8 x 16	(8x10) + (8x6)	8 x 16 =
8.	8 x 19	(8x10) + (8x9)	8 x 19 =
9.	8 x 17	(8x10) + (8x7)	8 x 17 =
10.	8 x 20	(8x10) + (8x10)	8 x 20 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 9

Now do everything in your head!

To multiply **9** times a double-digit number, break the number into two parts. Multiply **9** times the first part then **9** times the second part. Add these "partial products" to get the total product.

9 x 17 = (9 x 10) + (9 x 7)
= 90 + 63
= **153**

		Think Smart	Think Quick
1.	9 x 15	(9x10) + (9x5)	9 x 15 =
2.	9 x 14	(9x10) + (9x4)	9 x 14 =
3.	9 x 11	(9x10) + (9x1)	9 x 11 =
4.	9 x 13	(9x10) + (9x3)	9 x 13 =
5.	9 x 12	(9x10) + (9x2)	9 x 12 =
6.	9 x 18	(9x10) + (9x8)	9 x 18 =
7.	9 x 16	(9x10) + (9x6)	9 x 16 =
8.	9 x 19	(9x10) + (9x9)	9 x 19 =
9.	9 x 17	(9x10) + (9x7)	9 x 17 =
10.	9 x 20	(9x10) + (9x10)	9 x 20 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 10

Now do everything in your head!

To multiply **10** times a double-digit number, break the number into two parts. Multiply **10** times the first part then **10** times the second part. Add these "partial products" to get the total product.

10 x 17 = (10 x 10) + (10 x 7)
= 100 + 70
= **170**

		Think Smart	Think Quick
1.	10 x 15	(10x10) + (10x5)	10 x 15 =
2.	10 x 14	(10x10) + (10x4)	10 x 14 =
3.	10 x 11	(10x10) + (10x1)	10 x 11 =
4.	10 x 13	(10x10) + (10x3)	10 x 13 =
5.	10 x 12	(10x10) + (10x2)	10 x 12 =
6.	10 x 18	(10x10) + (10x8)	10 x 18 =
7.	10 x 16	(10x10) + (10x6)	10 x 16 =
8.	10 x 19	(10x10) + (10x9)	10 x 19 =
9.	10 x 17	(10x10) + (10x7)	10 x 17 =
10.	10 x 20	(10x10) + (10x10)	10 x 20 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 11

Now do everything in your head!

11 times a number is **10** times the number plus **1** times the number. The sum of these "partial products" is the total product or answer.	**11 x 7** = (10 x 7) + (1 x 7) = 70 + 7 = **77**

		Think Smart	Think Quick
1.	11 x 5	(10x5) + (1x5)	11 x 5 =
2.	11 x 4	(10x4) + (1x4)	11 x 4 =
3.	11 x 1	(10x1) + (1x1)	11 x 1 =
4.	11 x 3	(10x3) + (1x3)	11 x 3 =
5.	11 x 2	(10x2) + (1x2)	11 x 2 =
6.	11 x 8	(10x8) + (1x8)	11 x 8 =
7.	11 x 6	(10x6) + (1x6)	11 x 6 =
8.	11 x 9	(10x9) + (1x9)	11 x 9 =
9.	11 x 7	(10x7) + (1x7)	11 x 7 =
10.	11 x 10	(10x10) + (1x10)	11 x 10 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 12

Now do everything in your head!

12 times a number is **10** times the number plus **2** times the number. The sum of these "partial products" is the total product or answer.	**12 x 7** = (10 x 7) + (2 x 7) = 70 + 14 = **84**

		Think Smart	Think Quick	
1.	12 x 5	(10x5) + (2x5)	12 x 5 =	
2.	12 x 4	(10x4) + (2x4)	12 x 4 =	
3.	12 x 1	(10x1) + (2x1)	12 x 1 =	
4.	12 x 3	(10x3) + (2x3)	12 x 3 =	
5.	12 x 2	(10x2) + (2x2)	12 x 2 =	
6.	12 x 8	(10x8) + (2x8)	12 x 8 =	
7.	12 x 6	(10x6) + (2x6)	12 x 6 =	
8.	12 x 9	(10x9) + (2x9)	12 x 9 =	
9.	12 x 7	(10x7) + (2x7)	12 x 7 =	
10.	12 x 10	(10x10) + (2x10)	12 x 10 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 13

Now do everything in your head!

13 times a number is **10** times the number plus **3** times the number. The sum of these "partial products" is the total product or answer.

13 x 7 = (10 x 7) + (3 x 7)
= 70 + 21
= **91**

		Think Smart	Think Quick
1.	13 x 5	(10x5) + (3x5)	13 x 5 =
2.	13 x 4	(10x4) + (3x4)	13 x 4 =
3.	13 x 1	(10x1) + (3x1)	13 x 1 =
4.	13 x 3	(10x3) + (3x3)	13 x 3 =
5.	13 x 2	(10x2) + (3x2)	13 x 2 =
6.	13 x 8	(10x8) + (3x8)	13 x 8 =
7.	13 x 6	(10x6) + (3x6)	13 x 6 =
8.	13 x 9	(10x9) + (3x9)	13 x 9 =
9.	13 x 7	(10x7) + (3x7)	13 x 7 =
10.	13 x 10	(10x10) + (3x10)	13 x 10 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 14

Now do everything in your head!

14 times a number is **10** times the number plus **4** times the number. The sum of these "partial products" is the total product or answer.

14 x 7 = (10 x 7) + (4 x 7)
= 70 + 28
= **98**

		Think Smart	Think Quick
1.	14 x 5	(10x5) + (4x5)	14 x 5 =
2.	14 x 4	(10x4) + (4x4)	14 x 4 =
3.	14 x 1	(10x1) + (4x1)	14 x 1 =
4.	14 x 3	(10x3) + (4x3)	14 x 3 =
5.	14 x 2	(10x2) + (4x2)	14 x 2 =
6.	14 x 8	(10x8) + (4x8)	14 x 8 =
7.	14 x 6	(10x6) + (4x6)	14 x 6 =
8.	14 x 9	(10x9) + (4x9)	14 x 9 =
9.	14 x 7	(10x7) + (4x7)	14 x 7 =
10.	14 x 10	(10x10) + (4x10)	14 x 10 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 15

Now do everything in your head!

15 times a number is **10** times the number plus **5** times the number. The sum of these "partial products" is the total product or answer. Hint: remember 5 is half of 10!	**15 x 7** = (10 x 7) + (5 x 7) = 70 + 35 = **105**

		Think Smart	Think Quick
1.	15 x 5	(10x5) + (5x5)	15 x 5 =
2.	15 x 4	(10x4) + (5x4)	15 x 4 =
3.	15 x 1	(10x1) + (5x1)	15 x 1 =
4.	15 x 3	(10x3) + (5x3)	15 x 3 =
5.	15 x 2	(10x2) + (5x2)	15 x 2 =
6.	15 x 8	(10x8) + (5x8)	15 x 8 =
7.	15 x 6	(10x6) + (5x6)	15 x 6 =
8.	15 x 9	(10x9) + (5x9)	15 x 9 =
9.	15 x 7	(10x7) + (5x7)	15 x 7 =
10.	15 x 10	(10x10) + (5x10)	15 x 10 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 16

Now do everything in your head!

16 times a number is **10** times the number plus **6** times the number. The sum of these "partial products" is the total product or answer.

16 x 7 = (10 x 7) + (6 x 7)
= 70 + 42
= **112**

		Think Smart	Think Quick
1.	16 x 5	(10x5) + (6x5)	16 x 5 =
2.	16 x 4	(10x4) + (6x4)	16 x 4 =
3.	16 x 1	(10x1) + (6x1)	16 x 1 =
4.	16 x 3	(10x3) + (6x3)	16 x 3 =
5.	16 x 2	(10x2) + (6x2)	16 x 2 =
6.	16 x 8	(10x8) + (6x8)	16 x 8 =
7.	16 x 6	(10x6) + (6x6)	16 x 6 =
8.	16 x 9	(10x9) + (6x9)	16 x 9 =
9.	16 x 7	(10x7) + (6x7)	16 x 7 =
10.	16 x 10	(10x10) + (6x10)	16 x 10 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 17

Now do everything in your head!

17 times a number is **10** times the number plus **7** times the number. The sum of these "partial products" is the total product or answer.	**17 x 7** = (10 x 7) + (7 x 7) = 70 + 49 = **119**

	Think Smart		Think Quick	
1.	17 x 5	(10x5) + (7x5)	17 x 5 =	
2.	17 x 4	(10x4) + (7x4)	17 x 4 =	
3.	17 x 1	(10x1) + (7x1)	17 x 1 =	
4.	17 x 3	(10x3) + (7x3)	17 x 3 =	
5.	17 x 2	(10x2) + (7x2)	17 x 2 =	
6.	17 x 8	(10x8) + (7x8)	17 x 8 =	
7.	17 x 6	(10x6) + (7x6)	17 x 6 =	
8.	17 x 9	(10x9) + (7x9)	17 x 9 =	
9.	17 x 7	(10x7) + (7x7)	17 x 7 =	
10.	17 x 10	(10x10) + (7x10)	17 x 10 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 18

Now do everything in your head!

18 times a number is **10** times the number plus **8** times the number. The sum of these "partial products" is the total product or answer.

18 x 7 = (10 x 7) + (8 x 7)
= 70 + 56
= **126**

		Think Smart	Think Quick
1.	18 x 5	(10x5) + (8x5)	18 x 5 =
2.	18 x 4	(10x4) + (8x4)	18 x 4 =
3.	18 x 1	(10x1) + (8x1)	18 x 1 =
4.	18 x 3	(10x3) + (8x3)	18 x 3 =
5.	18 x 2	(10x2) + (8x2)	18 x 2 =
6.	18 x 8	(10x8) + (8x8)	18 x 8 =
7.	18 x 6	(10x6) + (8x6)	18 x 6 =
8.	18 x 9	(10x9) + (8x9)	18 x 9 =
9.	18 x 7	(10x7) + (8x7)	18 x 7 =
10.	18 x 10	(10x10) + (8x10)	18 x 10 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 19

Now do everything in your head!

19 times a number is **10** times the number plus **9** times the number. The sum of these "partial products" is the total product or answer.

19 x 7 = (10 x 7) + (9 x 7)
= 70 + 63
= **133**

		Think Smart	Think Quick
1.	19 x 5	(10x5) + (9x5)	19 x 5 =
2.	19 x 4	(10x4) + (9x4)	19 x 4 =
3.	19 x 1	(10x1) + (9x1)	19 x 1 =
4.	19 x 3	(10x3) + (9x3)	19 x 3 =
5.	19 x 2	(10x2) + (9x2)	19 x 2 =
6.	19 x 8	(10x8) + (9x8)	19 x 8 =
7.	19 x 6	(10x6) + (9x6)	19 x 6 =
8.	19 x 9	(10x9) + (9x9)	19 x 9 =
9.	19 x 7	(10x7) + (9x7)	19 x 7 =
10.	19 x 10	(10x10) + (9x10)	19 x 10 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiply by 20

Now do everything in your head!

20 times a number is **10** times the number plus **10** times the number. The sum of these "partial products" is the total product or answer.

20 x 7 = (10 x 7) +(10 x 7)
= 70 + 70
= **140**

	Think Smart		Think Quick
1.	20 x 5	(10x5) + (10x5)	20 x 5 =
2.	20 x 4	(10x4) + (10x4)	20 x 4 =
3.	20 x 1	(10x1) + (10x1)	20 x 1 =
4.	20 x 3	(10x3) + (10x3)	20 x 3 =
5.	20 x 2	(10x2) + (10x2)	20 x 2 =
6.	20 x 8	(10x8) + (10x8)	20 x 8 =
7.	20 x 6	(10x6) + (10x6)	20 x 6 =
8.	20 x 9	(10x9) + (10x9)	20 x 9 =
9.	20 x 7	(10x7) + (10x7)	20 x 7 =
10.	20 x 10	(10x10) + (10x10)	20 x 10 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 2s

Practice grouping 2s in groups ranging in size from 11 to 20. This contrasts with finding 2 times a number, which means putting numbers into groups of 2.

Example. 15 x 2 means "a group of fifteen 2s"
2 x 15 means "a group of 2 fifteens"

		Think Smart		Think Quick
1.	11 x 2	(10x2) + (1x2) = ☐ + ☐		11 x 2 = ☐
2.	12 x 2	(10x2) + (2x2) = ☐ + ☐		12 x 2 = ☐
3.	13 x 2	(10x2) + (3x2) = ☐ + ☐		13 x 2 = ☐
4.	14 x 2	(10x2) + (4x2) = ☐ + ☐		14 x 2 = ☐
5.	15 x 2	(10x2) + (5x2) = ☐ + ☐		15 x 2 = ☐
6.	16 x 2	(10x2) + (6x2) = ☐ + ☐		16 x 2 = ☐
7.	17 x 2	(10x2) + (7x2) = ☐ + ☐		17 x 2 = ☐
8.	18 x 2	(10x2) + (8x2) = ☐ + ☐		18 x 2 = ☐
9.	19 x 2	(10x2) + (9x2) = ☐ + ☐		19 x 2 = ☐
10.	20 x 2	(10x2) + (10x2) = ☐ + ☐		20 x 2 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 3s

Practice grouping 3s in groups ranging in size from 11 to 20. This contrasts with finding 3 times a number, which means putting numbers into groups of 3.

Example. 16 x 3 means "a group of sixteen 3s"
3 x 16 means "a group of 3 sixteens"

		Think Smart		Think Quick
1.	11 x 3	(10x3) + (1x3) = ☐ + ☐		11 x 3 = ☐
2.	12 x 3	(10x3) + (2x3) = ☐ + ☐		12 x 3 = ☐
3.	13 x 3	(10x3) + (3x3) = ☐ + ☐		13 x 3 = ☐
4.	14 x 3	(10x3) + (4x3) = ☐ + ☐		14 x 3 = ☐
5.	15 x 3	(10x3) + (5x3) = ☐ + ☐		15 x 3 = ☐
6.	16 x 3	(10x3) + (6x3) = ☐ + ☐		16 x 3 = ☐
7.	17 x 3	(10x3) + (7x3) = ☐ + ☐		17 x 3 = ☐
8.	18 x 3	(10x3) + (8x3) = ☐ + ☐		18 x 3 = ☐
9.	19 x 3	(10x3) + (9x3) = ☐ + ☐		19 x 3 = ☐
10.	20 x 3	(10x3) + (10x3) = ☐ + ☐		20 x 3 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 4s

Practice grouping 4s in groups ranging in size from 11 to 20. This contrasts with finding 4 times a number, which means putting numbers into groups of 4.

Example. 18 x 4 means "a group of eighteen 4s"
4 x 18 means "a group of 4 eighteens"

		Think Smart				Think Quick	
1.	11 x 4	(10x4) + (1x4) =		+		11 x 4 =	
2.	12 x 4	(10x4) + (2x4) =		+		12 x 4 =	
3.	13 x 4	(10x4) + (3x4) =		+		13 x 4 =	
4.	14 x 4	(10x4) + (4x4) =		+		14 x 4 =	
5.	15 x 4	(10x4) + (5x4) =		+		15 x 4 =	
6.	16 x 4	(10x4) + (6x4) =		+		16 x 4 =	
7.	17 x 4	(10x4) + (7x4) =		+		17 x 4 =	
8.	18 x 4	(10x4) + (8x4) =		+		18 x 4 =	
9.	19 x 4	(10x4) + (9x4) =		+		19 x 4 =	
10.	20 x 4	(10x4) + (10x4) =		+		20 x 4 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 5s

Practice grouping 5s in groups ranging in size from 11 to 20. This contrasts with finding 5 times a number, which means putting numbers into groups of 5.

Example. 12 x 5 means "a group of 12 fives"
5 x 12 means "a group of 5 twelves"

		Think Smart		Think Quick
1.	11 x 5	(10x5) + (1x5) = ☐ + ☐		11 x 5 = ☐
2.	12 x 5	(10x5) + (2x5) = ☐ + ☐		12 x 5 = ☐
3.	13 x 5	(10x5) + (3x5) = ☐ + ☐		13 x 5 = ☐
4.	14 x 5	(10x5) + (4x5) = ☐ + ☐		14 x 5 = ☐
5.	15 x 5	(10x5) + (5x5) = ☐ + ☐		15 x 5 = ☐
6.	16 x 5	(10x5) + (6x5) = ☐ + ☐		16 x 5 = ☐
7.	17 x 5	(10x5) + (7x5) = ☐ + ☐		17 x 5 = ☐
8.	18 x 5	(10x5) + (8x5) = ☐ + ☐		18 x 5 = ☐
9.	19 x 5	(10x5) + (9x5) = ☐ + ☐		19 x 5 = ☐
10.	20 x 5	(10x5) + (10x5) = ☐ + ☐		20 x 5 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 6s

Practice grouping 6s in groups ranging in size from 11 to 20. This contrasts with finding 6 times a number, which means putting numbers into groups of 6.

Example. 13 x 6 means "a group of thirteen 6s"
6 x 13 means "a group of 6 thirteens"

		Think Smart		Think Quick
1.	11 x 6	(10x6) + (1x6) =	+	11 x 6 =
2.	12 x 6	(10x6) + (2x6) =	+	12 x 6 =
3.	13 x 6	(10x6) + (3x6) =	+	13 x 6 =
4.	14 x 6	(10x6) + (4x6) =	+	14 x 6 =
5.	15 x 6	(10x6) + (5x6) =	+	15 x 6 =
6.	16 x 6	(10x6) + (6x6) =	+	16 x 6 =
7.	17 x 6	(10x6) + (7x6) =	+	17 x 6 =
8.	18 x 6	(10x6) + (8x6) =	+	18 x 6 =
9.	19 x 6	(10x6) + (9x6) =	+	19 x 6 =
10.	20 x 6	(10x6) + (10x6) =	+	20 x 6 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 7s

Practice grouping 7s in groups ranging in size from 11 to 20. This contrasts with finding 7 times a number, which means putting numbers into groups of 7.

Example. 14 x 7 means "a group of fourteen 7s"
7 x 14 means "a group of 7 fourteens"

		Think Smart		Think Quick
1.	11 x 7	(10x7) + (1x7) = ☐ + ☐		11 x 7 = ☐
2.	12 x 7	(10x7) + (2x7) = ☐ + ☐		12 x 7 = ☐
3.	13 x 7	(10x7) + (3x7) = ☐ + ☐		13 x 7 = ☐
4.	14 x 7	(10x7) + (4x7) = ☐ + ☐		14 x 7 = ☐
5.	15 x 7	(10x7) + (5x7) = ☐ + ☐		15 x 7 = ☐
6.	16 x 7	(10x7) + (6x7) = ☐ + ☐		16 x 7 = ☐
7.	17 x 7	(10x7) + (7x7) = ☐ + ☐		17 x 7 = ☐
8.	18 x 7	(10x7) + (8x7) = ☐ + ☐		18 x 7 = ☐
9.	19 x 7	(10x7) + (9x7) = ☐ + ☐		19 x 7 = ☐
10.	20 x 7	(10x7) + (10x7) = ☐ + ☐		20 x 7 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 8s

Practice grouping 8s in groups ranging in size from 11 to 20. This contrasts with finding 8 times a number, which means putting numbers into groups of 8.

Example. 12 x 8 means "a group of twelve 8s"
8 x 12 means "a group of 8 twelves"

		Think Smart			Think Quick	
1.	11 x 8	(10x8) + (1x8) =		+	11 x 8 =	
2.	12 x 8	(10x8) + (2x8) =		+	12 x 8 =	
3.	13 x 8	(10x8) + (3x8) =		+	13 x 8 =	
4.	14 x 8	(10x8) + (4x8) =		+	14 x 8 =	
5.	15 x 8	(10x8) + (5x8) =		+	15 x 8 =	
6.	16 x 8	(10x8) + (6x8) =		+	16 x 8 =	
7.	17 x 8	(10x8) + (7x8) =		+	17 x 8 =	
8.	18 x 8	(10x8) + (8x8) =		+	18 x 8 =	
9.	19 x 8	(10x8) + (9x8) =		+	19 x 8 =	
10.	20 x 8	(10x8) + (10x8) =		+	20 x 8 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 9s

Practice grouping 9s in groups ranging in size from 11 to 20. This contrasts with finding 9 times a number, which means putting numbers into groups of 9.

Example. 13 x 9 means "a group of thirteen 9s"
9 x 13 means "a group of 9 thirteens"

		Think Smart		Think Quick
1.	11 x 9	(10x9) + (1x9) =	+	11 x 9 =
2.	12 x 9	(10x9) + (2x9) =	+	12 x 9 =
3.	13 x 9	(10x9) + (3x9) =	+	13 x 9 =
4.	14 x 9	(10x9) + (4x9) =	+	14 x 9 =
5.	15 x 9	(10x9) + (5x9) =	+	15 x 9 =
6.	16 x 9	(10x9) + (6x9) =	+	16 x 9 =
7.	17 x 9	(10x9) + (7x9) =	+	17 x 9 =
8.	18 x 9	(10x9) + (8x9) =	+	18 x 9 =
9.	19 x 9	(10x9) + (9x9) =	+	19 x 9 =
10.	20 x 9	(10x9) + (10x9) =	+	20 x 9 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 10s

Practice grouping 10s in groups ranging in size from 11 to 20. This contrasts with finding 10 times a number, which means putting numbers into groups of 10.

Example. 14 x 10 means "a group of fourteen 10s"
10 x 14 means "a group of 10 fourteens"

		Think Smart			Think Quick	
1.	11 x 10	(10x10) + (1x10) =		+	11 x 10 =	
2.	12 x 10	(10x10) + (2x10) =		+	12 x 10 =	
3.	13 x 10	(10x10) + (3x10) =		+	13 x 10 =	
4.	14 x 10	(10x10) + (4x10) =		+	14 x 10 =	
5.	15 x 10	(10x10) + (5x10) =		+	15 x 10 =	
6.	16 x 10	(10x10) + (6x10) =		+	16 x 10 =	
7.	17 x 10	(10x10) + (7x10) =		+	17 x 10 =	
8.	18 x 10	(10x10) + (8x10) =		+	18 x 10 =	
9.	19 x 10	(10x10) + (9x10) =		+	19 x 10 =	
10.	20 x 10	(10x10) + (10x10) =		+	20 x 10 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 11s

Practice grouping 11s in groups ranging in size from 1 to 10. This contrasts with finding 11 times a number, which means putting numbers into groups of 11.

Example. 5 x 11 means "a group of five 11s"
11 x 5 means "a group of 11 fives"

		Think Smart		Think Quick
1.	1 x 11	(1x10) + (1x1) = ☐ + ☐		1 x 11 = ☐
2.	2 x 11	(2x10) + (2x1) = ☐ + ☐		2 x 11 = ☐
3.	3 x 11	(3x10) + (3x1) = ☐ + ☐		3 x 11 = ☐
4.	4 x 11	(4x10) + (4x1) = ☐ + ☐		4 x 11 = ☐
5.	5 x 11	(5x10) + (5x1) = ☐ + ☐		5 x 11 = ☐
6.	6 x 11	(6x10) + (6x1) = ☐ + ☐		6 x 11 = ☐
7.	7 x 11	(7x10) + (7x1) = ☐ + ☐		7 x 11 = ☐
8.	8 x 11	(8x10) + (8x1) = ☐ + ☐		8 x 11 = ☐
9.	9 x 11	(9x10) + (9x1) = ☐ + ☐		9 x 11 = ☐
10.	10 x 11	(10x10) + (10x1) = ☐ + ☐		10 x 11 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 12s

Practice grouping 12s in groups ranging in size from 1 to 10. This contrasts with finding 12 times a number, which means putting numbers into groups of 12.

Example. 5 x 12 means "a group of five 12s"
12 x 5 means "a group of 12 fives"

		Think Smart				Think Quick		
1.	1 x 12	(1x10) + (1x2) =		+		1 x 12 =		
2.	2 x 12	(2x10) + (2x2) =		+		2 x 12 =		
3.	3 x 12	(3x10) + (3x2) =		+		3 x 12 =		
4.	4 x 12	(4x10) + (4x2) =		+		4 x 12 =		
5.	5 x 12	(5x10) + (5x2) =		+		5 x 12 =		
6.	6 x 12	(6x10) + (6x2) =		+		6 x 12 =		
7.	7 x 12	(7x10) + (7x2) =		+		7 x 12 =		
8.	8 x 12	(8x10) + (8x2) =		+		8 x 12 =		
9.	9 x 12	(9x10) + (9x2) =		+		9 x 12 =		
10.	10 x 12	(10x10) + (10x2) =		+		10 x 12 =		

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 13s

Practice grouping 13s in groups ranging in size from 1 to 10. This contrasts with finding 13 times a number, which means putting numbers into groups of 13.

Example. 5 x 13 means "a group of five 13s"
13 x 5 means "a group of 13 fives"

		Think Smart				Think Quick		
1.	1 x 13	(1x10) + (1x3) =		+		1 x 13 =		
2.	2 x 13	(2x10) + (2x3) =		+		2 x 13 =		
3.	3 x 13	(3x10) + (3x3) =		+		3 x 13 =		
4.	4 x 13	(4x10) + (4x3) =		+		4 x 13 =		
5.	5 x 13	(5x10) + (5x3) =		+		5 x 13 =		
6.	6 x 13	(6x10) + (6x3) =		+		6 x 13 =		
7.	7 x 13	(7x10) + (7x3) =		+		7 x 13 =		
8.	8 x 13	(8x10) + (8x3) =		+		8 x 13 =		
9.	9 x 13	(9x10) + (9x3) =		+		9 x 13 =		
10.	10 x 13	(10x10) + (10x3) =		+		10 x 13 =		

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 14s

Practice grouping 14s in groups ranging in size from 1 to 10. This contrasts with finding 14 times a number, which means putting numbers into groups of 14.

Example. 5 x 14 means "a group of five 14s"
14 x 5 means "a group of 14 fives"

		Think Smart		Think Quick
1.	1 x 14	(1x10) + (1x4) =	+	1 x 14 =
2.	2 x 14	(2x10) + (2x4) =	+	2 x 14 =
3.	3 x 14	(3x10) + (3x4) =	+	3 x 14 =
4.	4 x 14	(4x10) + (4x4) =	+	4 x 14 =
5.	5 x 14	(5x10) + (5x4) =	+	5 x 14 =
6.	6 x 14	(6x10) + (6x4) =	+	6 x 14 =
7.	7 x 14	(7x10) + (7x4) =	+	7 x 14 =
8.	8 x 14	(8x10) + (8x4) =	+	8 x 14 =
9.	9 x 14	(9x10) + (9x4) =	+	9 x 14 =
10.	10 x 14	(10x10) + (10x4) =	+	10 x 14 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 15s

Practice grouping 15s in groups ranging in size from 1 to 10. This contrasts with finding 15 times a number, which means putting numbers into groups of 15.

Example. 5 x 15 means "a group of five 15s"
15 x 5 means "a group of 15 fives"

		Think Smart				Think Quick		
1.	1 x 15	(1x10) + (1x5) =		+		1 x 15 =		
2.	2 x 15	(2x10) + (2x5) =		+		2 x 15 =		
3.	3 x 15	(3x10) + (3x5) =		+		3 x 15 =		
4.	4 x 15	(4x10) + (4x5) =		+		4 x 15 =		
5.	5 x 15	(5x10) + (5x5) =		+		5 x 15 =		
6.	6 x 15	(6x10) + (6x5) =		+		6 x 15 =		
7.	7 x 15	(7x10) + (7x5) =		+		7 x 15 =		
8.	8 x 15	(8x10) + (8x5) =		+		8 x 15 =		
9.	9 x 15	(9x10) + (9x5) =		+		9 x 15 =		
10.	10 x 15	(10x10) + (10x5) =		+		10 x 15 =		

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 16s

Practice grouping 16s in groups ranging in size from 1 to 10. This contrasts with finding 16 times a number, which means putting numbers into groups of 16.

Example. 5 x 16 means "a group of five 16s"
16 x 5 means "a group of 16 fives"

		Think Smart		Think Quick
1.	1 x 16	(1x10) + (1x6) =	+	1 x 16 =
2.	2 x 16	(2x10) + (2x6) =	+	2 x 16 =
3.	3 x 16	(3x10) + (3x6) =	+	3 x 16 =
4.	4 x 16	(4x10) + (4x6) =	+	4 x 16 =
5.	5 x 16	(5x10) + (5x6) =	+	5 x 16 =
6.	6 x 16	(6x10) + (6x6) =	+	6 x 16 =
7.	7 x 16	(7x10) + (7x6) =	+	7 x 16 =
8.	8 x 16	(8x10) + (8x6) =	+	8 x 16 =
9.	9 x 16	(9x10) + (9x6) =	+	9 x 16 =
10.	10 x 16	(10x10) + (10x6) =	+	10 x 16 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 17s

Practice grouping 17s in groups ranging in size from 1 to 10. This contrasts with finding 17 times a number, which means putting numbers into groups of 17.

Example. 5 x 17 means "a group of five 17s"
17 x 5 means "a group of 17 fives"

		Think Smart		Think Quick	
1.	1 x 17	(1x10) + (1x7) =	+	1 x 17 =	
2.	2 x 17	(2x10) + (2x7) =	+	2 x 17 =	
3.	3 x 17	(3x10) + (3x7) =	+	3 x 17 =	
4.	4 x 17	(4x10) + (4x7) =	+	4 x 17 =	
5.	5 x 17	(5x10) + (5x7) =	+	5 x 17 =	
6.	6 x 17	(6x10) + (6x7) =	+	6 x 17 =	
7.	7 x 17	(7x10) + (7x7) =	+	7 x 17 =	
8.	8 x 17	(8x10) + (8x7) =	+	8 x 17 =	
9.	9 x 17	(9x10) + (9x7) =	+	9 x 17 =	
10.	10 x 17	(10x10) + (10x7) =	+	10 x 17 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 18s

Practice grouping 18s in groups ranging in size from 1 to 10. This contrasts with finding 18 times a number, which means putting numbers into groups of 18.

Example. 5 x 18 means "a group of five 18s"
18 x 5 means "a group of 18 fives"

		Think Smart				Think Quick		
1.	1 x 18	(1x10) + (1x8) =		+		1 x 18 =		
2.	2 x 18	(2x10) + (2x8) =		+		2 x 18 =		
3.	3 x 18	(3x10) + (3x8) =		+		3 x 18 =		
4.	4 x 18	(4x10) + (4x8) =		+		4 x 18 =		
5.	5 x 18	(5x10) + (5x8) =		+		5 x 18 =		
6.	6 x 18	(6x10) + (6x8) =		+		6 x 18 =		
7.	7 x 18	(7x10) + (7x8) =		+		7 x 18 =		
8.	8 x 18	(8x10) + (8x8) =		+		8 x 18 =		
9.	9 x 18	(9x10) + (9x8) =		+		9 x 18 =		
10.	10 x 18	(10x10) + (10x8) =		+		10 x 18 =		

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 19s

Practice grouping 19s in groups ranging in size from 1 to 10. This contrasts with finding 19 times a number, which means putting numbers into groups of 19.

Example. 5 x 19 means "a group of five 19s"
19 x 5 means "a group of 19 fives"

		Think Smart				Think Quick		
1.	1 x 19	(1x10) + (1x9) =		+		1 x 19 =		
2.	2 x 19	(2x10) + (2x9) =		+		2 x 19 =		
3.	3 x 19	(3x10) + (3x9) =		+		3 x 19 =		
4.	4 x 19	(4x10) + (4x9) =		+		4 x 19 =		
5.	5 x 19	(5x10) + (5x9) =		+		5 x 19 =		
6.	6 x 19	(6x10) + (6x9) =		+		6 x 19 =		
7.	7 x 19	(7x10) + (7x9) =		+		7 x 19 =		
8.	8 x 19	(8x10) + (8x9) =		+		8 x 19 =		
9.	9 x 19	(9x10) + (9x9) =		+		9 x 19 =		
10.	10 x 19	(10x10) + (10x9) =		+		10 x 19 =		

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Practice Grouping 20s

Practice grouping 20s in groups ranging in size from 1 to 10. This contrasts with finding 20 times a number, which means putting numbers into groups of 20.

Example. 5 x 20 means "a group of five 20s"
20 x 5 means "a group of 20 fives"

		Think Smart		Think Quick	
1.	1 x 20	(1x10) + (1x10) =	+	1 x 20 =	
2.	2 x 20	(2x10) + (2x10) =	+	2 x 20 =	
3.	3 x 20	(3x10) + (3x10) =	+	3 x 20 =	
4.	4 x 20	(4x10) + (4x10) =	+	4 x 20 =	
5.	5 x 20	(5x10) + (5x10) =	+	5 x 20 =	
6.	6 x 20	(6x10) + (6x10) =	+	6 x 20 =	
7.	7 x 20	(7x10) + (7x10) =	+	7 x 20 =	
8.	8 x 20	(8x10) + (8x10) =	+	8 x 20 =	
9.	9 x 20	(9x10) + (9x10) =	+	9 x 20 =	
10.	10 x 20	(10x10) + (10x10) =	+	10 x 20 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 1

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick	
1.	6 x 12	(6x10) + (6x2) =	+	6 x 12 =	
2.	9 x 13	(9x10) + (9x3) =	+	9 x 13 =	
3.	5 x 20	(5x10) + (5x10) =	+	5 x 20 =	
4.	1 x 16	(1x10) + (1x6) =	+	1 x 16 =	
5.	4 x 19	(4x10) + (4x9) =	+	4 x 19 =	
6.	7 x 14	(7x10) + (7x4) =	+	7 x 14 =	
7.	3 x 17	(3x10) + (3x7) =	+	3 x 17 =	
8.	8 x 15	(8x10) + (8x5) =	+	8 x 15 =	
9.	2 x 11	(2x10) + (2x1) =	+	2 x 11 =	
10.	10 x 18	(10x10) + (10x8) =	+	10 x 18 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 2

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick
1.	6 x 13	(6x10) + (6x3) = ☐ + ☐		6 x 13 = ☐
2.	9 x 14	(9x10) + (9x4) = ☐ + ☐		9 x 14 = ☐
3.	5 x 11	(5x10) + (5x1) = ☐ + ☐		5 x 11 = ☐
4.	1 x 17	(1x10) + (1x7) = ☐ + ☐		1 x 17 = ☐
5.	4 x 20	(4x10) + (4x10) = ☐ + ☐		4 x 20 = ☐
6.	7 x 15	(7x10) + (7x5) = ☐ + ☐		7 x 15 = ☐
7.	3 x 18	(3x10) + (3x8) = ☐ + ☐		3 x 18 = ☐
8.	8 x 16	(8x10) + (8x6) = ☐ + ☐		8 x 16 = ☐
9.	2 x 12	(2x10) + (2x2) = ☐ + ☐		2 x 12 = ☐
10.	10 x 19	(10x10) + (10x9) = ☐ + ☐		10 x 19 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 3

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick	
1.	6 x 14	(6x10) + (6x4) =	+	6 x 14 =	
2.	9 x 15	(9x10) + (9x5) =	+	9 x 15 =	
3.	5 x 12	(5x10) + (5x2) =	+	5 x 12 =	
4.	1 x 18	(1x10) + (1x8) =	+	1 x 18 =	
5.	4 x 11	(4x10) + (4x1) =	+	4 x 11 =	
6.	7 x 16	(7x10) + (7x6) =	+	7 x 16 =	
7.	3 x 19	(3x10) + (3x9) =	+	3 x 19 =	
8.	8 x 17	(8x10) + (8x7) =	+	8 x 17 =	
9.	2 x 13	(2x10) + (2x3) =	+	2 x 13 =	
10.	10 x 20	(10x10) + (10x10) =	+	10 x 20 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 4

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick
1.	6 x 15	(6x10) + (6x5) = ☐ + ☐		6 x 15 = ☐
2.	9 x 16	(9x10) + (9x6) = ☐ + ☐		9 x 16 = ☐
3.	5 x 13	(5x10) + (5x3) = ☐ + ☐		5 x 13 = ☐
4.	1 x 19	(1x10) + (1x9) = ☐ + ☐		1 x 19 = ☐
5.	4 x 12	(4x10) + (4x2) = ☐ + ☐		4 x 12 = ☐
6.	7 x 17	(7x10) + (7x7) = ☐ + ☐		7 x 17 = ☐
7.	3 x 20	(3x10) + (3x10) = ☐ + ☐		3 x 20 = ☐
8.	8 x 18	(8x10) + (8x8) = ☐ + ☐		8 x 18 = ☐
9.	2 x 14	(2x10) + (2x4) = ☐ + ☐		2 x 14 = ☐
10.	10 x 11	(10x10) + (10x1) = ☐ + ☐		10 x 11 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 5

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick	
1.	6 x 16	(6x10) + (6x6) =	+	6 x 16 =	
2.	9 x 17	(9x10) + (9x7) =	+	9 x 17 =	
3.	5 x 14	(5x10) + (5x4) =	+	5 x 14 =	
4.	1 x 20	(1x10) + (1x10) =	+	1 x 20 =	
5.	4 x 13	(4x10) + (4x3) =	+	4 x 13 =	
6.	7 x 18	(7x10) + (7x8) =	+	7 x 18 =	
7.	3 x 11	(3x10) + (3x1) =	+	3 x 11 =	
8.	8 x 19	(8x10) + (8x9) =	+	8 x 19 =	
9.	2 x 15	(2x10) + (2x5) =	+	2 x 15 =	
10.	10 x 12	(10x10) + (10x2) =	+	10 x 12 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 6

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick
1.	6 x 17	(6x10) + (6x7) = ☐ + ☐		6 x 17 = ☐
2.	9 x 18	(9x10) + (9x8) = ☐ + ☐		9 x 18 = ☐
3.	5 x 15	(5x10) + (5x5) = ☐ + ☐		5 x 15 = ☐
4.	1 x 11	(1x10) + (1x1) = ☐ + ☐		1 x 11 = ☐
5.	4 x 14	(4x10) + (4x4) = ☐ + ☐		4 x 14 = ☐
6.	7 x 19	(7x10) + (7x9) = ☐ + ☐		7 x 19 = ☐
7.	3 x 12	(3x10) + (3x2) = ☐ + ☐		3 x 12 = ☐
8.	8 x 20	(8x10) + (8x10) = ☐ + ☐		8 x 20 = ☐
9.	2 x 16	(2x10) + (2x6) = ☐ + ☐		2 x 16 = ☐
10.	10 x 13	(10x10) + (10x3) = ☐ + ☐		10 x 13 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 7

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick	
1.	6 x 18	(6x10) + (6x8) =	+	6 x 18 =	
2.	9 x 19	(9x10) + (9x9) =	+	9 x 19 =	
3.	5 x 16	(5x10) + (5x6) =	+	5 x 16 =	
4.	1 x 12	(1x10) + (1x2) =	+	1 x 12 =	
5.	4 x 15	(4x10) + (4x5) =	+	4 x 15 =	
6.	7 x 20	(7x10) + (7x10) =	+	7 x 20 =	
7.	3 x 13	(3x10) + (3x3) =	+	3 x 13 =	
8.	8 x 11	(8x10) + (8x11) =	+	8 x 11 =	
9.	2 x 17	(2x10) + (2x7) =	+	2 x 17 =	
10.	10 x 14	(10x10) + (10x4) =	+	10 x 14 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 8

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick	
1.	6 x 19	(6x10) + (6x9) =	+	6 x 19 =	
2.	9 x 20	(9x10) + (9x10) =	+	9 x 20 =	
3.	5 x 17	(5x10) + (5x7) =	+	5 x 17 =	
4.	1 x 13	(1x10) + (1x3) =	+	1 x 13 =	
5.	4 x 16	(4x10) + (4x6) =	+	4 x 16 =	
6.	7 x 11	(7x10) + (7x1) =	+	7 x 11 =	
7.	3 x 14	(3x10) + (3x4) =	+	3 x 14 =	
8.	8 x 12	(8x10) + (8x12) =	+	8 x 12 =	
9.	2 x 18	(2x10) + (2x8) =	+	2 x 18 =	
10.	10 x 15	(10x10) + (10x5) =	+	10 x 15 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 9

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick
1.	6 x 20	(6x10) + (6x10) = ☐ + ☐		6 x 20 = ☐
2.	9 x 11	(9x10) + (9x1) = ☐ + ☐		9 x 11 = ☐
3.	5 x 18	(5x10) + (5x8) = ☐ + ☐		5 x 18 = ☐
4.	1 x 14	(1x10) + (1x4) = ☐ + ☐		1 x 14 = ☐
5.	4 x 17	(4x10) + (4x7) = ☐ + ☐		4 x 17 = ☐
6.	7 x 12	(7x10) + (7x2) = ☐ + ☐		7 x 12 = ☐
7.	3 x 15	(3x10) + (3x5) = ☐ + ☐		3 x 15 = ☐
8.	8 x 13	(8x10) + (8x13) = ☐ + ☐		8 x 13 = ☐
9.	2 x 19	(2x10) + (2x9) = ☐ + ☐		2 x 19 = ☐
10.	10 x 16	(10x10) + (10x6) = ☐ + ☐		10 x 16 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 10

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick	
1.	6 x 11	(6x10) + (6x10) =	+	6 x 11 =	
2.	9 x 12	(9x10) + (9x1) =	+	9 x 12 =	
3.	5 x 19	(5x10) + (5x8) =	+	5 x 19 =	
4.	1 x 15	(1x10) + (1x4) =	+	1 x 15 =	
5.	4 x 18	(4x10) + (4x7) =	+	4 x 18 =	
6.	7 x 13	(7x10) + (7x2) =	+	7 x 13 =	
7.	3 x 16	(3x10) + (3x5) =	+	3 x 16 =	
8.	8 x 14	(8x10) + (8x13) =	+	8 x 14 =	
9.	2 x 20	(2x10) + (2x9) =	+	2 x 20 =	
10.	10 x 17	(10x10) + (10x6) =	+	10 x 17 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 11

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick
1.	16 x 2	(10x2) + (6x2) = ☐ + ☐		16 x 2 = ☐
2.	19 x 3	(10x3) + (9x3) = ☐ + ☐		19 x 3 = ☐
3.	15 x 10	(10x10) + (5x10) = ☐ + ☐		15 x 10 = ☐
4.	11 x 6	(10x6) + (1x6) = ☐ + ☐		11 x 6 = ☐
5.	14 x 9	(10x9) + (4x9) = ☐ + ☐		14 x 9 = ☐
6.	17 x 4	(10x4) + (7x4) = ☐ + ☐		17 x 4 = ☐
7.	13 x 7	(10x7) + (3x7) = ☐ + ☐		13 x 7 = ☐
8.	18 x 5	(10x5) + (8x5) = ☐ + ☐		18 x 5 = ☐
9.	12 x 1	(10x1) + (2x1) = ☐ + ☐		12 x 1 = ☐
10.	20 x 8	(10x8) + (10x8) = ☐ + ☐		20 x 8 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 12

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick
1.	16 x 3	(10x3) + (6x3) = ☐ + ☐		16 x 3 = ☐
2.	19 x 4	(10x4) + (9x4) = ☐ + ☐		19 x 4 = ☐
3.	15 x 1	(10x1) + (5x1) = ☐ + ☐		15 x 1 = ☐
4.	11 x 7	(10x7) + (1x7) = ☐ + ☐		11 x 7 = ☐
5.	14 x 10	(10x10) + (4x10) = ☐ + ☐		14 x 10 = ☐
6.	17 x 5	(10x5) + (7x5) = ☐ + ☐		17 x 5 = ☐
7.	13 x 8	(10x8) + (3x8) = ☐ + ☐		13 x 8 = ☐
8.	18 x 6	(10x6) + (8x6) = ☐ + ☐		18 x 6 = ☐
9.	12 x 2	(10x2) + (2x2) = ☐ + ☐		12 x 2 = ☐
10.	20 x 9	(10x9) + (10x9) = ☐ + ☐		20 x 9 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 13

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick
1.	16 x 4	(10x4) + (6x4) = ☐ + ☐		16 x 4 = ☐
2.	19 x 5	(10x5) + (9x5) = ☐ + ☐		19 x 5 = ☐
3.	15 x 2	(10x2) + (5x2) = ☐ + ☐		15 x 2 = ☐
4.	11 x 8	(10x8) + (1x8) = ☐ + ☐		11 x 8 = ☐
5.	14 x 1	(10x1) + (4x1) = ☐ + ☐		14 x 1 = ☐
6.	17 x 6	(10x6) + (7x6) = ☐ + ☐		17 x 6 = ☐
7.	13 x 9	(10x9) + (3x9) = ☐ + ☐		13 x 9 = ☐
8.	18 x 7	(10x7) + (8x7) = ☐ + ☐		18 x 7 = ☐
9.	12 x 3	(10x3) + (2x3) = ☐ + ☐		12 x 3 = ☐
10.	20 x 10	(10x10) + (10x10) = ☐ + ☐		20 x 10 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 14

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick
1.	16 x 5	(10x5) + (6x5) = ☐ + ☐		16 x 5 = ☐
2.	19 x 6	(10x6) + (9x6) = ☐ + ☐		19 x 6 = ☐
3.	15 x 3	(10x3) + (5x3) = ☐ + ☐		15 x 3 = ☐
4.	11 x 9	(10x9) + (1x9) = ☐ + ☐		11 x 9 = ☐
5.	14 x 2	(10x2) + (4x2) = ☐ + ☐		14 x 2 = ☐
6.	17 x 7	(10x7) + (7x7) = ☐ + ☐		17 x 7 = ☐
7.	13 x 10	(10x10) + (3x10) = ☐ + ☐		13 x 10 = ☐
8.	18 x 8	(10x8) + (8x8) = ☐ + ☐		18 x 8 = ☐
9.	12 x 4	(10x4) + (2x4) = ☐ + ☐		12 x 4 = ☐
10.	20 x 1	(10x1) + (10x1) = ☐ + ☐		20 x 1 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 15

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick
1.	16 x 6	(10x6) + (6x6) = ☐ + ☐		16 x 6 = ☐
2.	19 x 7	(10x7) + (9x7) = ☐ + ☐		19 x 7 = ☐
3.	15 x 4	(10x4) + (5x4) = ☐ + ☐		15 x 4 = ☐
4.	11 x 10	(10x10) + (1x10) = ☐ + ☐		11 x 10 = ☐
5.	14 x 3	(10x3) + (4x3) = ☐ + ☐		14 x 3 = ☐
6.	17 x 8	(10x8) + (7x8) = ☐ + ☐		17 x 8 = ☐
7.	13 x 1	(10x1) + (3x1) = ☐ + ☐		13 x 1 = ☐
8.	18 x 9	(10x9) + (8x9) = ☐ + ☐		18 x 9 = ☐
9.	12 x 5	(10x5) + (2x5) = ☐ + ☐		12 x 5 = ☐
10.	20 x 2	(10x2) + (10x2) = ☐ + ☐		20 x 2 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 16

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick
1.	16 x 7	(10x7) + (6x7) = ☐ + ☐		16 x 7 = ☐
2.	19 x 8	(10x8) + (9x8) = ☐ + ☐		19 x 8 = ☐
3.	15 x 5	(10x5) + (5x5) = ☐ + ☐		15 x 5 = ☐
4.	11 x 1	(10x1) + (1x1) = ☐ + ☐		11 x 1 = ☐
5.	14 x 4	(10x4) + (4x4) = ☐ + ☐		14 x 4 = ☐
6.	17 x 9	(10x9) + (7x9) = ☐ + ☐		17 x 9 = ☐
7.	13 x 2	(10x2) + (3x2) = ☐ + ☐		13 x 2 = ☐
8.	18 x 10	(10x10) + (8x10) = ☐ + ☐		18 x 10 = ☐
9.	12 x 6	(10x6) + (2x6) = ☐ + ☐		12 x 6 = ☐
10.	20 x 3	(10x3) + (10x3) = ☐ + ☐		20 x 3 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 17

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick
1.	16 x 8	(10x8) + (6x8) = ☐ + ☐		16 x 8 = ☐
2.	19 x 9	(10x9) + (9x9) = ☐ + ☐		19 x 9 = ☐
3.	15 x 6	(10x6) + (5x6) = ☐ + ☐		15 x 6 = ☐
4.	11 x 2	(10x2) + (1x2) = ☐ + ☐		11 x 2 = ☐
5.	14 x 5	(10x5) + (4x5) = ☐ + ☐		14 x 5 = ☐
6.	17 x 10	(10x10) + (7x10) = ☐ + ☐		17 x 10 = ☐
7.	13 x 3	(10x3) + (3x3) = ☐ + ☐		13 x 3 = ☐
8.	18 x 1	(10x1) + (8x1) = ☐ + ☐		18 x 1 = ☐
9.	12 x 7	(10x7) + (2x7) = ☐ + ☐		12 x 7 = ☐
10.	20 x 4	(10x4) + (10x4) = ☐ + ☐		20 x 4 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 18

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick
1.	16 x 9	(10x9) + (6x9) = ☐ + ☐		16 x 9 = ☐
2.	19 x 10	(10x10) + (9x10) = ☐ + ☐		19 x 10 = ☐
3.	15 x 7	(10x7) + (5x7) = ☐ + ☐		15 x 7 = ☐
4.	11 x 3	(10x3) + (1x3) = ☐ + ☐		11 x 3 = ☐
5.	14 x 6	(10x6) + (4x6) = ☐ + ☐		14 x 6 = ☐
6.	17 x 1	(10x1) + (7x1) = ☐ + ☐		17 x 1 = ☐
7.	13 x 4	(10x4) + (3x4) = ☐ + ☐		13 x 4 = ☐
8.	18 x 2	(10x2) + (8x2) = ☐ + ☐		18 x 2 = ☐
9.	12 x 8	(10x8) + (2x8) = ☐ + ☐		12 x 8 = ☐
10.	20 x 5	(10x5) + (10x5) = ☐ + ☐		20 x 5 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 19

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick
1.	16 x 10	(10x10) + (6x10) = ☐ + ☐		16 x 10 = ☐
2.	19 x 1	(10x1) + (9x1) = ☐ + ☐		19 x 1 = ☐
3.	15 x 8	(10x8) + (5x8) = ☐ + ☐		15 x 8 = ☐
4.	11 x 4	(10x4) + (1x4) = ☐ + ☐		11 x 4 = ☐
5.	14 x 7	(10x7) + (4x7) = ☐ + ☐		14 x 7 = ☐
6.	17 x 2	(10x2) + (7x2) = ☐ + ☐		17 x 2 = ☐
7.	13 x 5	(10x5) + (3x5) = ☐ + ☐		13 x 5 = ☐
8.	18 x 3	(10x3) + (8x3) = ☐ + ☐		18 x 3 = ☐
9.	12 x 9	(10x9) + (2x9) = ☐ + ☐		12 x 9 = ☐
10.	20 x 6	(10x6) + (10x6) = ☐ + ☐		20 x 6 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 20

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart		Think Quick
1.	16 x 1	(10x1) + (6x1) = ☐ + ☐		16 x 1 = ☐
2.	19 x 2	(10x2) + (9x2) = ☐ + ☐		19 x 2 = ☐
3.	15 x 9	(10x9) + (5x9) = ☐ + ☐		15 x 9 = ☐
4.	11 x 5	(10x5) + (1x5) = ☐ + ☐		11 x 5 = ☐
5.	14 x 8	(10x8) + (4x8) = ☐ + ☐		14 x 8 = ☐
6.	17 x 3	(10x3) + (7x3) = ☐ + ☐		17 x 3 = ☐
7.	13 x 6	(10x6) + (3x6) = ☐ + ☐		13 x 6 = ☐
8.	18 x 4	(10x4) + (8x4) = ☐ + ☐		18 x 4 = ☐
9.	12 x 10	(10x10) + (2x10) = ☐ + ☐		12 x 10 = ☐
10.	20 x 7	(10x7) + (10x7) = ☐ + ☐		20 x 7 = ☐

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 21

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick
1.	6 x 12	(6x10) + (6x2)	6 x 12 =
2.	9 x 13	(9x10) + (9x3)	9 x 13 =
3.	5 x 20	(5x10) + (5x10)	5 x 20 =
4.	1 x 16	(1x10) + (1x6)	1 x 16 =
5.	4 x 19	(4x10) + (4x9)	4 x 19 =
6.	7 x 14	(7x10) + (7x4)	7 x 14 =
7.	3 x 17	(3x10) + (3x7)	3 x 17 =
8.	8 x 15	(8x10) + (8x5)	8 x 15 =
9.	2 x 11	(2x10) + (2x1)	2 x 11 =
10.	10 x 18	(10x10) + (10x8)	10 x 18 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 22

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick
1.	6 x 13	(6x10) + (6x3)	6 x 13 =
2.	9 x 14	(9x10) + (9x4)	9 x 14 =
3.	5 x 11	(5x10) + (5x1)	5 x 11 =
4.	1 x 17	(1x10) + (1x7)	1 x 17 =
5.	4 x 20	(4x10) + (4x10)	4 x 20 =
6.	7 x 15	(7x10) + (7x5)	7 x 15 =
7.	3 x 18	(3x10) + (3x8)	3 x 18 =
8.	8 x 16	(8x10) + (8x6)	8 x 16 =
9.	2 x 12	(2x10) + (2x2)	2 x 12 =
10.	10 x 19	(10x10) + (10x9)	10 x 19 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 23

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick	
1.	6 x 14	(6x10) + (6x4)	6 x 14 =	
2.	9 x 15	(9x10) + (9x5)	9 x 15 =	
3.	5 x 12	(5x10) + (5x2)	5 x 12 =	
4.	1 x 18	(1x10) + (1x8)	1 x 18 =	
5.	4 x 11	(4x10) + (4x1)	4 x 11 =	
6.	7 x 16	(7x10) + (7x6)	7 x 16 =	
7.	3 x 19	(3x10) + (3x9)	3 x 19 =	
8.	8 x 17	(8x10) + (8x7)	8 x 17 =	
9.	2 x 13	(2x10) + (2x3)	2 x 13 =	
10.	10 x 20	(10x10) + (10x10)	10 x 20 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 24

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick
1.	6 x 15	(6x10) + (6x5)	6 x 15 =
2.	9 x 16	(9x10) + (9x6)	9 x 16 =
3.	5 x 13	(5x10) + (5x3)	5 x 13 =
4.	1 x 19	(1x10) + (1x9)	1 x 19 =
5.	4 x 12	(4x10) + (4x2)	4 x 12 =
6.	7 x 17	(7x10) + (7x7)	7 x 17 =
7.	3 x 20	(3x10) + (3x10)	3 x 20 =
8.	8 x 18	(8x10) + (8x8)	8 x 18 =
9.	2 x 14	(2x10) + (2x4)	2 x 14 =
10.	10 x 11	(10x10) + (10x1)	10 x 11 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 25

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick	
1.	6 x 16	(6x10) + (6x6)	6 x 16 =	
2.	9 x 17	(9x10) + (9x7)	9 x 17 =	
3.	5 x 14	(5x10) + (5x4)	5 x 14 =	
4.	1 x 20	(1x10) + (1x10)	1 x 20 =	
5.	4 x 13	(4x10) + (4x3)	4 x 13 =	
6.	7 x 18	(7x10) + (7x8)	7 x 18 =	
7.	3 x 11	(3x10) + (3x1)	3 x 11 =	
8.	8 x 19	(8x10) + (8x9)	8 x 19 =	
9.	2 x 15	(2x10) + (2x5)	2 x 15 =	
10.	10 x 12	(10x10) + (10x2)	10 x 12 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 26

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick	
1.	6 x 17	(6x10) + (6x7)	6 x 17 =	
2.	9 x 18	(9x10) + (9x8)	9 x 18 =	
3.	5 x 15	(5x10) + (5x5)	5 x 15 =	
4.	1 x 11	(1x10) + (1x1)	1 x 11 =	
5.	4 x 14	(4x10) + (4x4)	4 x 14 =	
6.	7 x 19	(7x10) + (7x9)	7 x 19 =	
7.	3 x 12	(3x10) + (3x2)	3 x 12 =	
8.	8 x 20	(8x10) + (8x10)	8 x 20 =	
9.	2 x 16	(2x10) + (2x6)	2 x 16 =	
10.	10 x 13	(10x10) + (10x3)	10 x 13 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 27

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick	
1.	6 x 18	(6x10) + (6x8)	6 x 18 =	
2.	9 x 19	(9x10) + (9x9)	9 x 19 =	
3.	5 x 16	(5x10) + (5x6)	5 x 16 =	
4.	1 x 12	(1x10) + (1x2)	1 x 12 =	
5.	4 x 15	(4x10) + (4x5)	4 x 15 =	
6.	7 x 20	(7x10) + (7x10)	7 x 20 =	
7.	3 x 13	(3x10) + (3x3)	3 x 13 =	
8.	8 x 11	(8x10) + (8x11)	8 x 11 =	
9.	2 x 17	(2x10) + (2x7)	2 x 17 =	
10.	10 x 14	(10x10) + (10x4)	10 x 14 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 28

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick
1.	6 x 19	(6x10) + (6x9)	6 x 19 =
2.	9 x 20	(9x10) + (9x10)	9 x 20 =
3.	5 x 17	(5x10) + (5x7)	5 x 17 =
4.	1 x 13	(1x10) + (1x3)	1 x 13 =
5.	4 x 16	(4x10) + (4x6)	4 x 16 =
6.	7 x 11	(7x10) + (7x1)	7 x 11 =
7.	3 x 14	(3x10) + (3x4)	3 x 14 =
8.	8 x 12	(8x10) + (8x12)	8 x 12 =
9.	2 x 18	(2x10) + (2x8)	2 x 18 =
10.	10 x 15	(10x10) + (10x5)	10 x 15 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 29

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick	
1.	6 x 20	(6x10) + (6x10)	6 x 20 =	
2.	9 x 11	(9x10) + (9x1)	9 x 11 =	
3.	5 x 18	(5x10) + (5x8)	5 x 18 =	
4.	1 x 14	(1x10) + (1x4)	1 x 14 =	
5.	4 x 17	(4x10) + (4x7)	4 x 17 =	
6.	7 x 12	(7x10) + (7x2)	7 x 12 =	
7.	3 x 15	(3x10) + (3x5)	3 x 15 =	
8.	8 x 13	(8x10) + (8x13)	8 x 13 =	
9.	2 x 19	(2x10) + (2x9)	2 x 19 =	
10.	10 x 16	(10x10) + (10x6)	10 x 16 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 30

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick	
1.	6 x 11	(6x10) + (6x1)	6 x 11 =	
2.	9 x 12	(9x10) + (9x2)	9 x 12 =	
3.	5 x 19	(5x10) + (5x9)	5 x 19 =	
4.	1 x 15	(1x10) + (1x5)	1 x 15 =	
5.	4 x 18	(4x10) + (4x8)	4 x 18 =	
6.	7 x 13	(7x10) + (7x3)	7 x 13 =	
7.	3 x 16	(3x10) + (3x6)	3 x 16 =	
8.	8 x 14	(8x10) + (8x14)	8 x 14 =	
9.	2 x 20	(2x10) + (2x910	2 x 20 =	
10.	10 x 17	(10x10) + (10x7)	10 x 17 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 31

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick
1.	16 x 2	(10x2) + (6x2)	16 x 2 =
2.	19 x 3	(10x3) + (9x3)	19 x 3 =
3.	15 x 10	(10x10) + (5x10)	15 x 10 =
4.	11 x 6	(10x6) + (1x6)	11 x 6 =
5.	14 x 9	(10x9) + (4x9)	14 x 9 =
6.	17 x 4	(10x4) + (7x4)	17 x 4 =
7.	13 x 7	(10x7) + (3x7)	13 x 7 =
8.	18 x 5	(10x5) + (8x5)	18 x 5 =
9.	12 x 1	(10x1) + (2x1)	12 x 1 =
10.	20 x 8	(10x8) + (10x8)	20 x 8 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 32

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick
1.	16 x 3	(10x3) + (6x3)	16 x 3 =
2.	19 x 4	(10x4) + (9x4)	19 x 4 =
3.	15 x 1	(10x1) + (5x1)	15 x 1 =
4.	11 x 7	(10x7) + (1x7)	11 x 7 =
5.	14 x 10	(10x10) + (4x10)	14 x 10 =
6.	17 x 5	(10x5) + (7x5)	17 x 5 =
7.	13 x 8	(10x8) + (3x8)	13 x 8 =
8.	18 x 6	(10x6) + (8x6)	18 x 6 =
9.	12 x 2	(10x2) + (2x2)	12 x 2 =
10.	20 x 9	(10x9) + (10x9)	20 x 9 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 33

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick
1.	16 x 4	(10x4) + (6x4)	16 x 4 =
2.	19 x 5	(10x5) + (9x5)	19 x 5 =
3.	15 x 2	(10x2) + (5x2)	15 x 2 =
4.	11 x 8	(10x8) + (1x8)	11 x 8 =
5.	14 x 1	(10x1) + (4x1)	14 x 1 =
6.	17 x 6	(10x6) + (7x6)	17 x 6 =
7.	13 x 9	(10x9) + (3x9)	13 x 9 =
8.	18 x 7	(10x7) + (8x7)	18 x 7 =
9.	12 x 3	(10x3) + (2x3)	12 x 3 =
10.	20 x 10	(10x10) + (10x10)	20 x 10 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 34

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick
1.	16 x 5	(10x5) + (6x5)	16 x 5 =
2.	19 x 6	(10x6) + (9x6)	19 x 6 =
3.	15 x 3	(10x3) + (5x3)	15 x 3 =
4.	11 x 9	(10x9) + (1x9)	11 x 9 =
5.	14 x 2	(10x2) + (4x2)	14 x 2 =
6.	17 x 7	(10x7) + (7x7)	17 x 7 =
7.	13 x 10	(10x10) + (3x10)	13 x 10 =
8.	18 x 8	(10x8) + (8x8)	18 x 8 =
9.	12 x 4	(10x4) + (2x4)	12 x 4 =
10.	20 x 1	(10x1) + (10x1)	20 x 1 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 35

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick	
1.	16 x 6	(10x6) + (6x6)	16 x 6 =	
2.	19 x 7	(10x7) + (9x7)	19 x 7 =	
3.	15 x 4	(10x4) + (5x4)	15 x 4 =	
4.	11 x 10	(10x10) + (1x10)	11 x 10 =	
5.	14 x 3	(10x3) + (4x3)	14 x 3 =	
6.	17 x 8	(10x8) + (7x8)	17 x 8 =	
7.	13 x 1	(10x1) + (3x1)	13 x 1 =	
8.	18 x 9	(10x9) + (8x9)	18 x 9 =	
9.	12 x 5	(10x5) + (2x5)	12 x 5 =	
10.	20 x 2	(10x2) + (10x2)	20 x 2 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 36

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick
1.	16 x 7	(10x7) + (6x7)	16 x 7 =
2.	19 x 8	(10x8) + (9x8)	19 x 8 =
3.	15 x 5	(10x5) + (5x5)	15 x 5 =
4.	11 x 1	(10x1) + (1x1)	11 x 1 =
5.	14 x 4	(10x4) + (4x4)	14 x 4 =
6.	17 x 9	(10x9) + (7x9)	17 x 9 =
7.	13 x 2	(10x2) + (3x2)	13 x 2 =
8.	18 x 10	(10x10) + (8x10)	18 x 10 =
9.	12 x 6	(10x6) + (2x6)	12 x 6 =
10.	20 x 3	(10x3) + (10x3)	20 x 3 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 37

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick
1.	16 x 8	(10x8) + (6x8)	16 x 8 =
2.	19 x 9	(10x9) + (9x9)	19 x 9 =
3.	15 x 6	(10x6) + (5x6)	15 x 6 =
4.	11 x 2	(10x2) + (1x2)	11 x 2 =
5.	14 x 5	(10x5) + (4x5)	14 x 5 =
6.	17 x 10	(10x10) + (7x10)	17 x 10 =
7.	13 x 3	(10x3) + (3x3)	13 x 3 =
8.	18 x 1	(10x1) + (8x1)	18 x 1 =
9.	12 x 7	(10x7) + (2x7)	12 x 7 =
10.	20 x 4	(10x4) + (10x4)	20 x 4 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 38

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick
1.	16 x 9	(10x9) + (6x9)	16 x 9 =
2.	19 x 10	(10x10) + (9x10)	19 x 10 =
3.	15 x 7	(10x7) + (5x7)	15 x 7 =
4.	11 x 3	(10x3) + (1x3)	11 x 3 =
5.	14 x 6	(10x6) + (4x6)	14 x 6 =
6.	17 x 1	(10x1) + (7x1)	17 x 1 =
7.	13 x 4	(10x4) + (3x4)	13 x 4 =
8.	18 x 2	(10x2) + (8x2)	18 x 2 =
9.	12 x 8	(10x8) + (2x8)	12 x 8 =
10.	20 x 5	(10x5) + (10x5)	20 x 5 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Assessment 39

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick	
1.	16 x 10	(10x10) + (6x10)	16 x 10 =	
2.	19 x 1	(10x1) + (9x1)	19 x 1 =	
3.	15 x 8	(10x8) + (5x8)	15 x 8 =	
4.	11 x 4	(10x4) + (1x4)	11 x 4 =	
5.	14 x 7	(10x7) + (4x7)	14 x 7 =	
6.	17 x 2	(10x2) + (7x2)	17 x 2 =	
7.	13 x 5	(10x5) + (3x5)	13 x 5 =	
8.	18 x 3	(10x3) + (8x3)	18 x 3 =	
9.	12 x 9	(10x9) + (2x9)	12 x 9 =	
10.	20 x 6	(10x6) + (10x6)	20 x 6 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

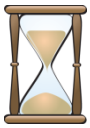
Assessment 40

Mastery of basic multiplication facts means being able to both quickly recall *and* quickly derive every answer. This requires a lot of practice and hard work, so practice these worksheets until you can do them *fast!*

		Think Smart	Think Quick
1.	16 x 1	(10x1) + (6x1)	16 x 1 =
2.	19 x 2	(10x2) + (9x2)	19 x 2 =
3.	15 x 9	(10x9) + (5x9)	15 x 9 =
4.	11 x 5	(10x5) + (1x5)	11 x 5 =
5.	14 x 8	(10x8) + (4x8)	14 x 8 =
6.	17 x 3	(10x3) + (7x3)	17 x 3 =
7.	13 x 6	(10x6) + (3x6)	13 x 6 =
8.	18 x 4	(10x4) + (8x4)	18 x 4 =
9.	12 x 10	(10x10) + (2x10)	12 x 10 =
10.	20 x 7	(10x7) + (10x7)	20 x 7 =

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiplication Mastery Test 1

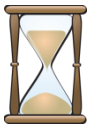


By this point, applying the various grouping strategies should be easy. Now the goal is "fluency" or seeing each problem abstractly as a single group or whole and knowing instantly how many are in that group. Try answering all the problems in *2 minutes or less!*

1.	2 x 16 =		11.	3 x 16 =		21.	6 x 13 =	
2.	3 x 18 =		12.	5 x 12 =		22.	3 x 12 =	
3.	4 x 11 =		13.	4 x 14 =		23.	8 x 11 =	
4.	5 x 17 =		14.	10 x 13 =		24.	5 x 14 =	
5.	3 x 20 =		15.	9 x 20 =		25.	7 x 17 =	
6.	2 x 19 =		16.	10 x 15 =		26.	9 x 12 =	
7.	6 x 18 =		17.	6 x 14 =		27.	10 x 11 =	
8.	10 x 12 =		18.	5 x 20 =		28.	8 x 12 =	
9.	6 x 11 =		19.	8 x 17 =		29.	10 x 20 =	
10.	10 x 14 =		20.	2 x 11 =		30.	9 x 14 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiplication Mastery Test 2

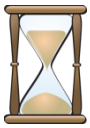


By this point, applying the various grouping strategies should be easy. Now the goal is "fluency" or seeing each problem abstractly as a single group or whole and knowing instantly how many are in that group. Try answering all the problems in *2 minutes or less!*

1.	2 x 14 =	11.	9 x 13 =	21.	4 x 12 =		
2.	6 x 16 =	12.	3 x 11 =	22.	8 x 13 =		
3.	3 x 14 =	13.	5 x 15 =	23.	10 x 19 =		
4.	8 x 15 =	14.	9 x 16 =	24.	3 x 13 =		
5.	5 x 11 =	15.	8 x 19 =	25.	9 x 17 =		
6.	10 x 16 =	16.	5 x 13 =	26.	2 x 20 =		
7.	4 x 19 =	17.	9 x 11 =	27.	3 x 15 =		
8.	7 x 13 =	18.	7 x 12 =	28.	8 x 14 =		
9.	8 x 20 =	19.	8 x 18 =	29.	9 x 19 =		
10.	5 x 16 =	20.	6 x 17 =	30.	7 x 14 =		

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiplication Mastery Test 3

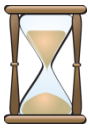


By this point, applying the various grouping strategies should be easy. Now the goal is "fluency" or seeing each problem abstractly as a single group or whole and knowing instantly how many are in that group. Try answering all the problems in *2 minutes or less!*

1.	8 x 16 =	11.	7 x 19 =	21.	4 x 13 =		
2.	10 x 17 =	12.	6 x 20 =	22.	2 x 17 =		
3.	6 x 12 =	13.	3 x 17 =	23.	7 x 18 =		
4.	2 x 12 =	14.	4 x 16 =	24.	9 x 15 =		
5.	7 x 11 =	15.	6 x 15 =	25.	3 x 19 =		
6.	4 x 17 =	16.	2 x 18 =	26.	4 x 20 =		
7.	5 x 18 =	17.	5 x 19 =	27.	7 x 15 =		
8.	7 x 20 =	18.	7 x 16 =	28.	2 x 13 =		
9.	9 x 18 =	19.	10 x 18 =	29.	4 x 18 =		
10.	4 x 15 =	20.	2 x 15 =	30.	6 x 19 =		

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiplication Mastery Test 4

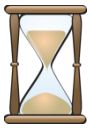


By this point, applying the various grouping strategies should be easy. Now the goal is "fluency" or seeing each problem abstractly as a single group or whole and knowing instantly how many are in that group. Try answering all the problems in *2 minutes or less!*

1.	16 x 2 =	11.	16 x 3 =	21.	13 x 6 =		
2.	18 x 3 =	12.	12 x 5 =	22.	12 x 3 =		
3.	11 x 4 =	13.	14 x 4 =	23.	11 x 8 =		
4.	17 x 5 =	14.	13 x 10 =	24.	14 x 5 =		
5.	20 x 3 =	15.	20 x 9 =	25.	17 x 7 =		
6.	19 x 2 =	16.	15 x 10 =	26.	12 x 9 =		
7.	18 x 6 =	17.	14 x 6 =	27.	11 x 10 =		
8.	12 x 10 =	18.	20 x 5 =	28.	12 x 8 =		
9.	11 x 6 =	19.	17 x 8 =	29.	20 x 10 =		
10.	14 x 10 =	20.	11 x 2 =	30.	14 x 9 =		

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiplication Mastery Test 5

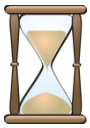


By this point, applying the various grouping strategies should be easy. Now the goal is "fluency" or seeing each problem abstractly as a single group or whole and knowing instantly how many are in that group. Try answering all the problems in *2 minutes or less!*

1.	14 x 2 =		11.	13 x 9 =		21.	12 x 4 =	
2.	16 x 6 =		12.	11 x 3 =		22.	13 x 8 =	
3.	14 x 3 =		13.	15 x 5 =		23.	19 x 10 =	
4.	15 x 8 =		14.	16 x 9 =		24.	13 x 3 =	
5.	11 x 5 =		15.	19 x 8 =		25.	17 x 9 =	
6.	16 x 10 =		16.	13 x 5 =		26.	20 x 2 =	
7.	19 x 4 =		17.	11 x 9 =		27.	15 x 3 =	
8.	13 x 7 =		18.	12 x 7 =		28.	14 x 8 =	
9.	20 x 8 =		19.	18 x 8 =		29.	19 x 9 =	
10.	16 x 5 =		20.	17 x 6 =		30.	14 x 7 =	

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Multiplication Mastery Test 6



By this point, applying the various grouping strategies should be easy. Now the goal is "fluency" or seeing each problem abstractly as a single group or whole and knowing instantly how many are in that group. Try answering all the problems in *2 minutes or less!*

1.	16 x 8 =	11.	19 x 7 =	21.	13 x 4 =		
2.	17 x 10 =	12.	20 x 6 =	22.	17 x 2 =		
3.	12 x 6 =	13.	17 x 3 =	23.	18 x 7 =		
4.	12 x 2 =	14.	16 x 4 =	24.	15 x 9 =		
5.	11 x 7 =	15.	15 x 6 =	25.	19 x 3 =		
6.	17 x 4 =	16.	18 x 2 =	26.	20 x 4 =		
7.	18 x 5 =	17.	19 x 5 =	27.	15 x 7 =		
8.	20 x 7 =	18.	16 x 7 =	28.	13 x 2 =		
9.	18 x 9 =	19.	18 x 10 =	29.	18 x 4 =		
10.	15 x 4 =	20.	15 x 2 =	30.	19 x 6 =		

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Page 5

1. 0 x 15 = 0
2. 0 x 14 = 0
3. 0 x 11 = 0
4. 0 x 13 = 0
5. 0 x 12 = 0
6. 0 x 18 = 0
7. 0 x 16 = 0
8. 0 x 19 = 0
9. 0 x 17 = 0
10. 0 x 20 = 0

Page 6

1. 1 x 15 = 15
2. 1 x 14 = 14
3. 1 x 11 = 11
4. 1 x 13 = 13
5. 1 x 12 = 12
6. 1 x 18 = 18
7. 1 x 16 = 16
8. 1 x 19 = 19
9. 1 x 17 = 17
10. 1 x 20 = 20

Page 7

1. 2 x 15 = 20 +10 = 30
2. 2 x 14 = 20 + 8 = 28
3. 2 x 11 = 20 + 2 = 22
4. 2 x 13 = 20 + 6 = 26
5. 2 x 12 = 20 + 4 = 24
6. 2 x 18 = 20 +16 = 36
7. 2 x 16 = 20 +12 = 32
8. 2 x 19 = 20 +18 = 38
9. 2 x 17 = 20 +14 = 34
10. 2 x 20 = 20 +20 = 40

Page 8

1. 3 x 15 = 30 +15 = 45
2. 3 x 14 = 30 +12 = 42
3. 3 x 11 = 30 + 3 = 33
4. 3 x 13 = 30 + 9 = 39
5. 3 x 12 = 30 + 6 = 36
6. 3 x 18 = 30 +24 = 54
7. 3 x 16 = 30 +18 = 48
8. 3 x 19 = 30 +27 = 57
9. 3 x 17 = 30 +21 = 51
10. 3 x 20 = 30 +30 = 60

Page 9

1. 4 x 15 = 40 +20 = 60
2. 4 x 14 = 40 +16 = 56
3. 4 x 11 = 40 + 4 = 44
4. 4 x 13 = 40 +12 = 52
5. 4 x 12 = 40 + 8 = 48
6. 4 x 18 = 40 +32 = 72
7. 4 x 16 = 40 +24 = 64
8. 4 x 19 = 40 +36 = 76
9. 4 x 17 = 40 +28 = 68
10. 4 x 20 = 40 +40 = 80

Page 10

1. 5 x 15 = 50 +25 = 75
2. 5 x 14 = 50 +20 = 70
3. 5 x 11 = 50 + 5 = 55
4. 5 x 13 = 50 +15 = 65
5. 5 x 12 = 50 +10 = 60
6. 5 x 18 = 50 +40 = 90
7. 5 x 16 = 50 +30 = 80
8. 5 x 19 = 50 +45 = 95
9. 5 x 17 = 50 +35 = 85
10. 5 x 20 = 50 +50 =100

Page 11

1. 6 x 15 = 60 +30 = 90
2. 6 x 14 = 60 +24 = 84
3. 6 x 11 = 60 + 6 = 66
4. 6 x 13 = 60 +18 = 78
5. 6 x 12 = 60 +12 = 72
6. 6 x 18 = 60 +48 =108
7. 6 x 16 = 60 +36 = 96
8. 6 x 19 = 60 +54 =114
9. 6 x 17 = 60 +42 =102
10. 6 x 20 = 60 +60 =120

Page 12

1. 7 x 15 = 70 +35 =105
2. 7 x 14 = 70 +28 = 98
3. 7 x 11 = 70 + 7 = 77
4. 7 x 13 = 70 +21 = 91
5. 7 x 12 = 70 +14 = 84
6. 7 x 18 = 70 +56 =126
7. 7 x 16 = 70 +42 =112
8. 7 x 19 = 70 +63 =133
9. 7 x 17 = 70 +49 =119
10. 7 x 20 = 70 +70 =140

Page 13

1. 8 x 15 = 80 +40 =120
2. 8 x 14 = 80 +32 =112
3. 8 x 11 = 80 + 8 = 88
4. 8 x 13 = 80 +24 =104
5. 8 x 12 = 80 +16 = 96
6. 8 x 18 = 80 +64 =144
7. 8 x 16 = 80 +48 =128
8. 8 x 19 = 80 +72 =152
9. 8 x 17 = 80 +56 =136
10. 8 x 20 = 80 +80 =160

Page 14

1. 9 x 15 = 90 +45 =135
2. 9 x 14 = 90 +36 =126
3. 9 x 11 = 90 + 9 = 99
4. 9 x 13 = 90 +27 =117
5. 9 x 12 = 90 +18 =108
6. 9 x 18 = 90 +72 =162
7. 9 x 16 = 90 +54 =144
8. 9 x 19 = 90 +81 =171
9. 9 x 17 = 90 +63 =153
10. 9 x 20 = 90 +90 =180

Page 15

1. 10 x 15 = 100 + 50 =150
2. 10 x 14 = 100 + 40 =140
3. 10 x 11 = 100 + 10 =110
4. 10 x 13 = 100 + 30 =130
5. 10 x 12 = 100 + 20 =120
6. 10 x 18 = 100 + 80 =180
7. 10 x 16 = 100 + 60 =160
8. 10 x 19 = 100 + 90 =190
9. 10 x 17 = 100 + 70 =170
10. 10 x 20 = 100 +100 =200

Page 16

1. 11 x 5 = 50 + 5 = 55
2. 11 x 4 = 40 + 4 = 44
3. 11 x 1 = 10 + 1 = 11
4. 11 x 3 = 30 + 3 = 33
5. 11 x 2 = 20 + 2 = 22
6. 11 x 8 = 80 + 8 = 88
7. 11 x 6 = 60 + 6 = 66
8. 11 x 9 = 90 + 9 = 99
9. 11 x 7 = 70 + 7 = 77
10. 11x10 = 100 +10 =110

Page 17

1. 12 x 5 = 50 +10 = 60
2. 12 x 4 = 40 + 8 = 48
3. 12 x 1 = 10 + 2 = 12
4. 12 x 3 = 30 + 6 = 36
5. 12 x 2 = 20 + 4 = 24
6. 12 x 8 = 80 +16 = 96
7. 12 x 6 = 60 +12 = 72
8. 12 x 9 = 90 +18 =108
9. 12 x 7 = 70 +14 = 84
10. 12x10 = 100 +20 =120

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Page 18

1. 13 x 5 = 50 + 15 = 65
2. 13 x 4 = 40 + 12 = 52
3. 13 x 1 = 10 + 3 = 13
4. 13 x 3 = 30 + 9 = 39
5. 13 x 2 = 20 + 6 = 26
6. 13 x 8 = 80 + 24 =104
7. 13 x 6 = 60 + 18 = 78
8. 13 x 9 = 90 + 27 =117
9. 13 x 7 = 70 + 21 = 91
10. 13x10 = 100 +30 =130

Page 19

1. 14 x 5 = 50 + 20 = 70
2. 14 x 4 = 40 + 16 = 56
3. 14 x 1 = 10 + 4 = 14
4. 14 x 3 = 30 + 12 = 42
5. 14 x 2 = 20 + 8 = 28
6. 14 x 8 = 80 + 32 =112
7. 14 x 6 = 60 + 24 = 84
8. 14 x 9 = 90 + 36 =126
9. 14 x 7 = 70 + 28 = 98
10. 14x10 = 100 +40 =140

Page 20

1. 15 x 5 = 50 +25 = 75
2. 15 x 4 = 40 +20 = 60
3. 15 x 1 = 10 + 5 = 15
4. 15 x 3 = 30 +15 = 45
5. 15 x 2 = 20 +10 = 30
6. 15 x 8 = 80 +40 =120
7. 15 x 6 = 60 +30 = 90
8. 15 x 9 = 90 +45 =135
9. 15 x 7 = 70 +35 =105
10. 15x10 = 100 +50 =150

Page 21

1. 16 x 5 = 50 +30 = 80
2. 16 x 4 = 40 +24 = 64
3. 16 x 1 = 10 + 6 = 16
4. 16 x 3 = 30 +18 = 48
5. 16 x 2 = 20 +12 = 32
6. 16 x 8 = 80 +48 =128
7. 16 x 6 = 60 +36 = 96
8. 16 x 9 = 90 +54 =144
9. 16 x 7 = 70 +42 =112
10. 16x10 = 100 +60 =160

Page 22

1. 17 x 5 = 50 +35 = 85
2. 17 x 4 = 40 +28 = 68
3. 17 x 1 = 10 + 7 = 17
4. 17 x 3 = 30 +21 = 51
5. 17 x 2 = 20 +14 = 34
6. 17 x 8 = 80 +56 =136
7. 17 x 6 = 60 +42 =102
8. 17 x 9 = 90 +63 =153
9. 17 x 7 = 70 +49 =119
10. 17x10 = 100 +70 =170

Page 23

1. 18 x 5 = 50 +40 = 90
2. 18 x 4 = 40 +32 = 72
3. 18 x 1 = 10 + 8 = 18
4. 18 x 3 = 30 +24 = 54
5. 18 x 2 = 20 +16 = 36
6. 18 x 8 = 80 +64 =144
7. 18 x 6 = 60 +48 =108
8. 18 x 9 = 90 +72 =162
9. 18 x 7 = 70 +56 =126
10. 18x10 = 100 +80 =180

Page 24

1. 19 x 5 = 50 +45 = 95
2. 19 x 4 = 40 +36 = 76
3. 19 x 1 = 10 + 9 = 19
4. 19 x 3 = 30 +27 = 57
5. 19 x 2 = 20 +18 = 38
6. 19 x 8 = 80 +72 =152
7. 19 x 6 = 60 +54 =114
8. 19 x 9 = 90 +81 =171
9. 19 x 7 = 70 +63 =133
10. 19x10 = 100 +90 =190

Page 25

1. 20 x 5 = 50+50 = 100
2. 20 x 4 = 40+40 = 80
3. 20 x 1 = 10+10 = 20
4. 20 x 3 = 60+60 = 60
5. 20 x 2 = 20+20 = 40
6. 20 x 8 = 80+80 = 160
7. 20 x 6 = 60+60 = 120
8. 20 x 9 = 90+90 = 180
9. 20 x 7 = 70+70 = 140
10. 20x10 =100+100= 200

Page 26

1. 2 x 15 = 30
2. 2 x 14 = 28
3. 2 x 11 = 22
4. 2 x 13 = 26
5. 2 x 12 = 24
6. 2 x 18 = 36
7. 2 x 16 = 32
8. 2 x 19 = 38
9. 2 x 17 = 34
10. 2 x 20 = 40

Page 27

1. 3 x 15 = 45
2. 3 x 14 = 42
3. 3 x 11 = 33
4. 3 x 13 = 39
5. 3 x 12 = 36
6. 3 x 18 = 54
7. 3 x 16 = 48
8. 3 x 19 = 57
9. 3 x 17 = 51
10. 3 x 20 = 60

Page 28

1. 4 x 15 = 60
2. 4 x 14 = 56
3. 4 x 11 = 44
4. 4 x 13 = 52
5. 4 x 12 = 48
6. 4 x 18 = 72
7. 4 x 16 = 64
8. 4 x 19 = 76
9. 4 x 17 = 68
10. 4 x 20 = 80

Page 29

1. 5 x 15 = 75
2. 5 x 14 = 70
3. 5 x 11 = 55
4. 5 x 13 = 65
5. 5 x 12 = 60
6. 5 x 18 = 90
7. 5 x 16 = 80
8. 5 x 19 = 95
9. 5 x 17 = 85
10. 5 x 20 = 100

Page 30

1. 6 x 15 = 90
2. 6 x 14 = 84
3. 6 x 11 = 66
4. 6 x 13 = 78
5. 6 x 12 = 72
6. 6 x 18 = 108
7. 6 x 16 = 96
8. 6 x 19 = 114
9. 6 x 17 = 102
10. 6 x 20 = 120

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Page 31

1. 7 x 15 = 105
2. 7 x 14 = 98
3. 7 x 11 = 77
4. 7 x 13 = 91
5. 7 x 12 = 84
6. 7 x 18 = 126
7. 7 x 16 = 112
8. 7 x 19 = 133
9. 7 x 17 = 119
10. 7 x 20 = 140

Page 32

1. 8 x 15 = 120
2. 8 x 14 = 112
3. 8 x 11 = 88
4. 8 x 13 = 104
5. 8 x 12 = 96
6. 8 x 18 = 144
7. 8 x 16 = 128
8. 8 x 19 = 152
9. 8 x 17 = 136
10. 8 x 20 = 160

Page 33

1. 9 x 15 = 135
2. 9 x 14 = 126
3. 9 x 11 = 99
4. 9 x 13 = 117
5. 9 x 12 = 108
6. 9 x 18 = 152
7. 9 x 16 = 144
8. 9 x 19 = 171
9. 9 x 17 = 153
10. 9 x 20 = 180

Page 34

1. 10 x 15 = 150
2. 10 x 14 = 140
3. 10 x 11 = 110
4. 10 x 13 = 130
5. 10 x 12 = 120
6. 10 x 18 = 180
7. 10 x 16 = 160
8. 10 x 19 = 190
9. 10 x 17 = 170
10. 10 x 20 = 200

Page 35

1. 11 x 5 = 55
2. 11 x 4 = 44
3. 11 x 1 = 11
4. 11 x 3 = 33
5. 11 x 2 = 22
6. 11 x 8 = 88
7. 11 x 6 = 66
8. 11 x 9 = 99
9. 11 x 7 = 77
10. 11x10 = 110

Page 36

1. 12 x 5 = 60
2. 12 x 4 = 48
3. 12 x 1 = 12
4. 12 x 3 = 36
5. 12 x 2 = 24
6. 12 x 8 = 96
7. 12 x 6 = 72
8. 12 x 9 = 108
9. 12 x 7 = 84
10. 12x10 = 120

Page 37

1. 13 x 5 = 65
2. 13 x 4 = 52
3. 13 x 1 = 13
4. 13 x 3 = 39
5. 13 x 2 = 26
6. 13 x 8 = 104
7. 13 x 6 = 78
8. 13 x 9 = 117
9. 13 x 7 = 91
10. 13x10 = 130

Page 38

1. 14 x 5 = 70
2. 14 x 4 = 56
3. 14 x 1 = 14
4. 14 x 3 = 42
5. 14 x 2 = 28
6. 14 x 8 = 112
7. 14 x 6 = 84
8. 14 x 9 = 126
9. 14 x 7 = 98
10. 14x10 = 140

Page 39

1. 15 x 5 = 75
2. 15 x 4 = 70
3. 15 x 1 = 15
4. 15 x 3 = 45
5. 15 x 2 = 30
6. 15 x 8 = 120
7. 15 x 6 = 90
8. 15 x 9 = 135
9. 15 x 7 = 105
10. 15x10 = 150

Page 40

1. 16 x 5 = 80
2. 16 x 4 = 64
3. 16 x 1 = 16
4. 16 x 3 = 48
5. 16 x 2 = 32
6. 16 x 8 = 128
7. 16 x 6 = 96
8. 16 x 9 = 144
9. 16 x 7 = 112
10. 16x10 = 160

Page 41

1. 17 x 5 = 85
2. 17 x 4 = 68
3. 17 x 1 = 17
4. 17 x 3 = 51
5. 17 x 2 = 34
6. 17 x 8 = 136
7. 17 x 6 = 102
8. 17 x 9 = 153
9. 17 x 7 = 119
10. 17x10 = 170

Page 42

1. 18 x 5 = 90
2. 18 x 4 = 72
3. 18 x 1 = 18
4. 18 x 3 = 54
5. 18 x 2 = 36
6. 18 x 8 = 144
7. 18 x 6 = 108
8. 18 x 9 = 162
9. 18 x 7 = 126
10. 18x10 = 180

Page 43

1. 19 x 5 = 95
2. 19 x 4 = 76
3. 19 x 1 = 19
4. 19 x 3 = 57
5. 19 x 2 = 38
6. 19 x 8 = 152
7. 19 x 6 = 114
8. 19 x 9 = 171
9. 19 x 7 = 133
10. 19x10 = 190

Page 44

1. 20 x 5 = 100
2. 20 x 4 = 80
3. 20 x 1 = 20
4. 20 x 3 = 60
5. 20 x 2 = 40
6. 20 x 8 = 160
7. 20 x 6 = 120
8. 20 x 9 = 180
9. 20 x 7 = 140
10. 20x10 = 200

Page 45

1. 11 x 2 = 20 + 2 = 22
2. 12 x 2 = 20 + 4 = 24
3. 13 x 2 = 20 + 6 = 26
4. 14 x 2 = 20 + 8 = 28
5. 15 x 2 = 20 + 10 = 30
6. 16 x 2 = 20 + 12 = 32
7. 17 x 2 = 20 + 14 = 34
8. 18 x 2 = 20 + 16 = 36
9. 19 x 2 = 20 + 18 = 38
10. 20 x 2 = 20 + 20 = 40

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Page 46

1. 11 x 3 = 30 + 3 = 33
2. 12 x 3 = 30 + 6 = 36
3. 13 x 3 = 30 + 9 = 39
4. 14 x 3 = 30 + 12 = 42
5. 15 x 3 = 30 + 15 = 45
6. 16 x 3 = 30 + 18 = 48
7. 17 x 3 = 30 + 21 = 51
8. 18 x 3 = 30 + 24 = 54
9. 19 x 3 = 30 + 27 = 57
10. 20 x 3 = 30 + 30 = 60

Page 47

1. 11 x 4 = 40 + 4 = 44
2. 12 x 4 = 40 + 8 = 48
3. 13 x 4 = 40 + 12 = 52
4. 14 x 4 = 40 + 16 = 56
5. 15 x 4 = 40 + 20 = 60
6. 16 x 4 = 40 + 24 = 64
7. 17 x 4 = 40 + 28 = 68
8. 18 x 4 = 40 + 32 = 72
9. 19 x 4 = 40 + 36 = 76
10. 20 x 4 = 40 + 40 = 80

Page 48

1. 11 x 5 = 50 + 5 = 55
2. 12 x 5 = 50 + 10 = 60
3. 13 x 5 = 50 + 15 = 65
4. 14 x 5 = 50 + 20 = 70
5. 15 x 5 = 50 + 25 = 75
6. 16 x 5 = 50 + 30 = 80
7. 17 x 5 = 50 + 35 = 85
8. 18 x 5 = 50 + 40 = 90
9. 19 x 5 = 50 + 45 = 95
10. 20 x 5 = 50 + 50 =100

Page 49

1. 11 x 6 = 60 + 6 = 66
2. 12 x 6 = 60 + 12 = 72
3. 13 x 6 = 60 + 18 = 78
4. 14 x 6 = 60 + 24 = 84
5. 15 x 6 = 60 + 30 = 90
6. 16 x 6 = 60 + 36 = 96
7. 17 x 6 = 60 + 42 =102
8. 18 x 6 = 60 + 48 =108
9. 19 x 6 = 60 + 54 =114
10. 20 x 6 = 60 + 60 =120

Page 50

1. 11 x 7 = 70 + 7 = 77
2. 12 x 7 = 70 + 14 = 84
3. 13 x 7 = 70 + 21 = 91
4. 14 x 7 = 70 + 28 = 98
5. 15 x 7 = 70 + 35 =105
6. 16 x 7 = 70 + 42 =112
7. 17 x 7 = 70 + 49 =119
8. 18 x 7 = 70 + 56 =126
9. 19 x 7 = 70 + 63 =133
10. 20 x 7 = 70 + 70 =140

Page 51

1. 11 x 8 = 80 + 8 = 88
2. 12 x 8 = 80 + 16 = 96
3. 13 x 8 = 80 + 24 =104
4. 14 x 8 = 80 + 32 =112
5. 15 x 8 = 80 + 40 =120
6. 16 x 8 = 80 + 48 =128
7. 17 x 8 = 80 + 56 =136
8. 18 x 8 = 80 + 64 =144
9. 19 x 8 = 80 + 72 =152
10. 20 x 8 = 80 + 80 =160

Page 52

1. 11 x 9 = 90 + 3 = 33
2. 12 x 9 = 90 + 6 = 36
3. 13 x 9 = 90 + 9 = 39
4. 14 x 9 = 90 + 12 = 42
5. 15 x 9 = 90 + 15 = 45
6. 16 x 9 = 90 + 18 = 48
7. 17 x 9 = 90 + 21 = 51
8. 18 x 9 = 90 + 24 = 54
9. 19 x 9 = 90 + 27 = 57
10. 20 x 9 = 90 + 30 = 60

Page 53

1. 11 x 10 = 100+ 10 = 110
2. 12 x 10 = 100+ 20 = 120
3. 13 x 10 = 100+ 30 = 130
4. 14 x 10 = 100+ 40 = 140
5. 15 x 10 = 100+ 50 = 150
6. 16 x 10 = 100+ 60 = 160
7. 17 x 10 = 100+ 70 = 170
8. 18 x 10 = 100+ 80 = 180
9. 19 x 10 = 100+ 90 = 190
10. 20 x 10 = 100+100 = 200

Page 54

1. 1 x 11 = 10 + 1 = 11
2. 2 x 11 = 20 + 2 = 22
3. 3 x 11 = 30 + 3 = 33
4. 4 x 11 = 40 + 4 = 44
5. 5 x 11 = 50 + 5 = 55
6. 6 x 11 = 60 + 6 = 66
7. 7 x 11 = 70 + 7 = 77
8. 8 x 11 = 80 + 8 = 88
9. 9 x 11 = 90 + 9 = 99
10. 10 x 11 = 100+ 10 =110

Page 55

1. 1 x 12 = 10 + 2 = 12
2. 2 x 12 = 20 + 4 = 24
3. 3 x 12 = 30 + 6 = 36
4. 4 x 12 = 40 + 8 = 48
5. 5 x 12 = 50 + 10 = 60
6. 6 x 12 = 60 + 12 = 72
7. 7 x 12 = 70 + 14 = 84
8. 8 x 12 = 80 + 16 = 96
9. 9 x 12 = 90 + 18 =108
10. 10 x 12 = 100+ 20 =120

Page 56

1. 1 x 13 = 10 + 3 = 13
2. 2 x 13 = 20 + 6 = 26
3. 3 x 13 = 30 + 9 = 39
4. 4 x 13 = 40 + 12 = 52
5. 5 x 13 = 50 + 15 = 65
6. 6 x 13 = 60 + 18 = 78
7. 7 x 13 = 70 + 21 = 91
8. 8 x 13 = 80 + 24 =104
9. 9 x 13 = 90 + 27 =117
10. 10 x 13 = 100+ 30 =140

Page 57

1. 1 x 14 = 10 + 4 = 14
2. 2 x 14 = 20 + 8 = 28
3. 3 x 14 = 30 + 12 = 42
4. 4 x 14 = 40 + 16 = 56
5. 5 x 14 = 50 + 20 = 70
6. 6 x 14 = 60 + 24 = 84
7. 7 x 14 = 70 + 28 = 98
8. 8 x 14 = 80 + 32 =112
9. 9 x 14 = 90 + 36 =126
10. 10 x 14 = 100+ 40 =140

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Page 58

1. 1 x 15 = 10 + 5 = 15
2. 2 x 15 = 20 + 10 = 30
3. 3 x 15 = 30 + 15 = 45
4. 4 x 15 = 40 + 20 = 60
5. 5 x 15 = 50 + 25 = 75
6. 6 x 15 = 60 + 30 = 90
7. 7 x 15 = 70 + 35 =105
8. 8 x 15 = 80 + 40 =120
9. 9 x 15 = 90 + 45 =135
10. 10 x 15 = 100+ 50 =150

Page 59

1. 1 x 16 = 10 + 6 = 16
2. 2 x 16 = 20 + 12 = 32
3. 3 x 16 = 30 + 18 = 48
4. 4 x 16 = 40 + 24 = 64
5. 5 x 16 = 50 + 30 = 80
6. 6 x 16 = 60 + 36 = 96
7. 7 x 16 = 70 + 42 =112
8. 8 x 16 = 80 + 48 =128
9. 9 x 16 = 90 + 54 =144
10. 10 x 16 = 100+ 60 =160

Page 60

1. 1 x 17 = 10 + 7 = 17
2. 2 x 17 = 20 + 14 = 34
3. 3 x 17 = 30 + 21 = 51
4. 4 x 17 = 40 + 28 = 68
5. 5 x 17 = 50 + 35 = 85
6. 6 x 17 = 60 + 42 =102
7. 7 x 17 = 70 + 49 =119
8. 8 x 17 = 80 + 56 =136
9. 9 x 17 = 90 + 63 =153
10. 10 x 17 = 100+ 70 =170

Page 61

1. 1 x 18 = 10 + 8 = 18
2. 2 x 18 = 20 + 16 = 36
3. 3 x 18 = 30 + 24 = 54
4. 4 x 18 = 40 + 32 = 72
5. 5 x 18 = 50 + 40 = 90
6. 6 x 18 = 60 + 48 =108
7. 7 x 18 = 70 + 56 =126
8. 8 x 18 = 80 + 64 =144
9. 9 x 18 = 90 + 72 =162
10. 10 x 18 = 100+ 80 =180

Page 62

1. 1 x 19 = 10 + 9 = 19
2. 2 x 19 = 20 + 18 = 38
3. 3 x 19 = 30 + 27 = 57
4. 4 x 19 = 40 + 36 = 76
5. 5 x 19 = 50 + 45 = 95
6. 6 x 19 = 60 + 54 =114
7. 7 x 19 = 70 + 63 =133
8. 8 x 19 = 80 + 72 =152
9. 9 x 19 = 90 + 81 =171
10. 10 x 19 = 100+ 90 =190

Page 63

1. 1 x 20 = 10 + 10 = 20
2. 2 x 20 = 20 + 20 = 40
3. 3 x 20 = 30 + 30 = 60
4. 4 x 20 = 40 + 40 = 80
5. 5 x 20 = 50 + 50 =100
6. 6 x 20 = 60 + 60 =120
7. 7 x 20 = 70 + 70 =140
8. 8 x 20 = 80 + 80 =160
9. 9 x 20 = 90 + 90 =180
10. 10 x 20 = 100+100 =200

Page 64

1. 6 x 12 = 60 + 2 = 62
2. 9 x 13 = 90 + 27 =117
3. 5 x 20 = 50 + 50 =100
4. 1 x 16 = 10 + 6 = 16
5. 4 x 19 = 40 + 36 = 76
6. 7 x 14 = 70 + 28 = 98
7. 3 x 17 = 30 + 21 = 51
8. 8 x 15 = 80 + 40 =120
9. 2 x 11 = 20 + 2 = 22
10. 10 x 18 = 100+ 80 =180

Page 65

1. 6 x 13 = 60 + 18 = 78
2. 9 x 14 = 90 + 36 =126
3. 5 x 11 = 50 + 5 = 55
4. 1 x 17 = 10 + 7 = 17
5. 4 x 20 = 40 + 40 = 80
6. 7 x 15 = 70 + 35 =105
7. 3 x 18 = 30 + 24 = 54
8. 8 x 16 = 80 + 48 =128
9. 2 x 12 = 20 + 4 = 24
10. 10 x 19 = 100+ 90 =190

Page 66

1. 6 x 14 = 60 + 24 = 84
2. 9 x 15 = 90 + 45 =135
3. 5 x 12 = 50 + 10 = 60
4. 1 x 18 = 10 + 8 = 18
5. 4 x 11 = 40 + 4 = 44
6. 7 x 16 = 70 + 42 =112
7. 3 x 19 = 30 + 27 = 57
8. 8 x 17 = 80 + 56 =136
9. 2 x 13 = 20 + 6 = 26
10. 10 x 20 = 100+100 =200

Page 67

1. 6 x 15 = 60 + 30 = 90
2. 9 x 16 = 90 + 54 =144
3. 5 x 13 = 50 + 15 = 65
4. 1 x 19 = 10 + 9 = 19
5. 4 x 12 = 40 + 8 = 48
6. 7 x 17 = 70 + 49 =119
7. 3 x 20 = 30 + 30 = 60
8. 8 x 18 = 80 + 64 =144
9. 2 x 14 = 20 + 8 = 28
10. 10 x 11 = 100+ 10 =110

Page 68

1. 6 x 16 = 60 + 36 = 96
2. 9 x 17 = 90 + 63 =153
3. 5 x 14 = 50 + 20 = 70
4. 1 x 20 = 10 + 10 = 20
5. 4 x 13 = 40 + 12 = 52
6. 7 x 18 = 70 + 56 =126
7. 3 x 11 = 30 + 3 = 33
8. 8 x 19 = 80 + 72 =152
9. 2 x 15 = 20 + 10 = 30
10. 10 x 12 = 100+ 20 =120

Page 69

1. 6 x 17 = 60 + 42 =102
2. 9 x 18 = 90 + 72 =162
3. 5 x 15 = 50 + 25 = 75
4. 1 x 11 = 10 + 1 = 11
5. 4 x 14 = 40 + 16 = 56
6. 7 x 19 = 70 + 63 =133
7. 3 x 12 = 30 + 6 = 36
8. 8 x 20 = 80 + 80 =160
9. 2 x 16 = 20 + 12 = 32
10. 10 x 13 = 100+ 30 =130

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Page 70

1. 6 x 18 = 60 + 48 =108
2. 9 x 19 = 90 + 81 =171
3. 5 x 16 = 50 + 30 = 80
4. 1 x 12 = 10 + 2 = 12
5. 4 x 15 = 40 + 20 = 60
6. 7 x 20 = 70 + 70 =140
7. 3 x 13 = 30 + 9 = 39
8. 8 x 11 = 80 + 8 = 88
9. 2 x 17 = 20 + 14 = 34
10. 10 x 14 = 100+ 40 =140

Page 71

1. 6 x 19 = 60 + 54 =114
2. 9 x 20 = 90 + 90 =180
3. 5 x 17 = 50 + 35 = 85
4. 1 x 13 = 10 + 3 = 13
5. 4 x 16 = 40 + 24 = 64
6. 7 x 11 = 70 + 7 = 77
7. 3 x 14 = 30 + 12 = 42
8. 8 x 12 = 80 + 16 = 96
9. 2 x 18 = 20 + 16 = 36
10. 10 x 15 = 100+ 50 =150

Page 72

1. 6 x 20 = 60 + 60 =120
2. 9 x 11 = 90 + 9 = 99
3. 5 x 18 = 50 + 40 = 90
4. 1 x 14 = 10 + 4 = 14
5. 4 x 17 = 40 + 28 = 68
6. 7 x 12 = 70 + 14 = 84
7. 3 x 15 = 30 + 15 = 45
8. 8 x 13 = 80 + 24 =104
9. 2 x 19 = 20 + 18 = 38
10. 10 x 16 = 100+ 60 =160

Page 73

1. 6 x 11 = 60 + 6 = 66
2. 9 x 12 = 90 + 18 =108
3. 5 x 19 = 50 + 45 = 95
4. 1 x 15 = 10 + 5 = 15
5. 4 x 18 = 40 + 32 = 72
6. 7 x 13 = 70 + 21 = 91
7. 3 x 16 = 30 + 18 = 48
8. 8 x 14 = 80 + 32 =112
9. 2 x 20 = 20 + 20 = 40
10. 10 x 17 = 100+ 70 =170

Page 74

1. 16 x 2 = 20 + 12 = 32
2. 19 x 3 = 30 + 27 = 57
3. 15x10 = 100+ 50 =150
4. 11 x 6 = 60 + 6 = 66
5. 14 x 9 = 90 + 36 =126
6. 17 x 4 = 40 + 28 = 68
7. 13 x 7 = 70 + 21 = 91
8. 18 x 5 = 50 + 40 = 90
9. 12 x 1 = 10 + 2 = 12
10. 20 x 8 = 80+ 80 =160

Page 75

1. 16 x 3 = 30 + 18 = 48
2. 19 x 4 = 40 + 36 = 76
3. 15 x 1 = 10+ 5 = 15
4. 11 x 7 = 70 + 7 = 77
5. 14x10 = 100+ 40 =140
6. 17 x 5 = 50 + 35 = 85
7. 13 x 8 = 80 + 24 =104
8. 18 x 6 = 60 + 48 =108
9. 12 x 2 = 20 + 4 = 24
10. 20 x 9 = 90 + 90 =180

Page 76

1. 16 x 4 = 40 + 24 = 64
2. 19 x 5 = 50 + 45 = 95
3. 15 x 2 = 20 + 10 = 30
4. 11 x 8 = 80 + 8 = 88
5. 14 x 1 = 10 + 4 = 14
6. 17 x 6 = 60 + 42 =102
7. 13 x 9 = 90 + 27 =117
8. 18 x 7 = 70 + 56 =126
9. 12 x 3 = 30 + 6 = 36
10. 20x10 = 100+100=200

Page 77

1. 16 x 5 = 50 + 30 = 80
2. 19 x 6 = 60 + 54 =114
3. 15 x 3 = 30 + 15 = 45
4. 11 x 9 = 90 + 9 = 99
5. 14 x 2 = 20 + 8 = 28
6. 17 x 7 = 70 + 49 =119
7. 13x10 = 100+ 30 =130
8. 18 x 8 = 80 + 64 =144
9. 12 x 4 = 40 + 8 = 48
10. 20 x 8 = 80 + 80 =160

Page 78

1. 16 x 6 = 60 + 36 = 96
2. 19 x 7 = 70 + 63 =133
3. 15 x 4 = 40 + 20 = 60
4. 11x10 = 100+ 10 =110
5. 14 x 3 = 30 + 12 = 42
6. 17 x 8 = 80 + 56 =136
7. 13 x 1 = 10 + 3 = 13
8. 18 x 9 = 90 + 72 =162
9. 12 x 5 = 50 + 10 = 60
10. 20 x 2 = 10 + 10 = 20

Page 79

1. 16 x 7 = 70 + 42 =112
2. 19 x 8 = 80 + 72 =152
3. 15 x 5 = 50 + 25 = 75
4. 11 x 1 = 10 + 1 = 11
5. 14 x 4 = 40 + 16 = 56
6. 17 x 9 = 90 + 63 =153
7. 13 x 2 = 20 + 6 = 26
8. 18x10 = 100+ 80 =180
9. 12 x 6 = 60 + 12 = 72
10. 20 x 3 = 30 + 30 = 60

Page 80

1. 16 x 8 = 80 + 48 =128
2. 19 x 9 = 90 + 81 =171
3. 15 x 6 = 60 + 30 = 90
4. 11 x 2 = 20 + 2 = 22
5. 14 x 5 = 50 + 20 = 70
6. 17x10 = 100+ 70 =170
7. 13 x 3 = 30 + 9 = 39
8. 18 x 1 = 10 + 8 = 18
9. 12 x 7 = 70 + 14 = 84
10. 20 x 4 = 40 + 40 = 80

Page 81

1. 16 x 9 = 90 + 54 =144
2. 19x10 = 100+ 90 =190
3. 15 x 7 = 70 + 35 =105
4. 11 x 3 = 30 + 3 = 33
5. 14 x 6 = 60 + 24 = 84
6. 17 x 1 = 10 + 7 = 17
7. 13 x 4 = 40 + 12 = 52
8. 18 x 2 = 20 + 16 = 36
9. 12 x 8 = 80 + 16 = 96
10. 20 x 5 = 50 + 50 =100

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Page 82

1. 16x10 = 100+ 60 =160
2. 19 x 1 = 10 + 9 = 19
3. 15 x 8 = 80 + 40 =120
4. 11 x 4 = 40 + 4 = 44
5. 14 x 7 = 70 + 28 = 98
6. 17 x 2 = 20 + 14 = 34
7. 13 x 5 = 50 + 15 = 65
8. 18 x 3 = 30 + 24 = 54
9. 12 x 9 = 90 + 18 =108
10. 20 x 6 = 60 + 60 =120

Page 83

1. 16 x 1 = 10 + 6 = 16
2. 19 x 2 = 20 + 18 = 38
3. 15 x 9 = 90 + 45 =135
4. 11 x 5 = 50 + 5 = 55
5. 14 x 8 = 80 + 32 =112
6. 17 x 3 = 30 + 21 = 51
7. 13 x 6 = 60 + 18 = 78
8. 18 x 4 = 40 + 32 = 72
9. 12x10 = 100+ 20 =120
10. 20 x 7 = 70 + 70 =140

Page 84

1. 6 x 12 = 72
2. 9 x 13 = 117
3. 5 x 20 = 100
4. 1 x 16 = 16
5. 4 x 19 = 76
6. 7 x 14 = 98
7. 3 x 17 = 51
8. 8 x 15 = 120
9. 2 x 11 = 22
10. 10 x 18 = 180

Page 85

1. 6 x 13 = 78
2. 9 x 14 = 126
3. 5 x 11 = 55
4. 1 x 17 = 17
5. 4 x 20 = 80
6. 7 x 15 = 105
7. 3 x 18 = 55
8. 8 x 16 = 128
9. 2 x 12 = 24
10. 10 x 19 = 190

Page 86

1. 6 x 14 = 84
2. 9 x 15 = 135
3. 5 x 12 = 60
4. 1 x 18 = 18
5. 4 x 11 = 44
6. 7 x 16 = 112
7. 3 x 19 = 57
8. 8 x 17 = 136
9. 2 x 13 = 26
10. 10 x 20 = 200

Page 87

1. 6 x 15 = 90
2. 9 x 16 = 144
3. 5 x 13 = 65
4. 1 x 19 = 19
5. 4 x 12 = 48
6. 7 x 17 = 119
7. 3 x 20 = 60
8. 8 x 18 = 144
9. 2 x 14 = 28
10. 10 x 11 = 110

Page 88

1. 6 x 16 = 96
2. 9 x 17 = 153
3. 5 x 14 = 70
4. 1 x 20 = 20
5. 4 x 13 = 52
6. 7 x 18 = 126
7. 3 x 11 = 33
8. 8 x 19 = 152
9. 2 x 15 = 30
10. 10 x 12 = 120

Page 89

1. 6 x 17 = 102
2. 9 x 18 = 162
3. 5 x 15 = 75
4. 1 x 11 = 11
5. 4 x 14 = 56
6. 7 x 19 = 133
7. 3 x 12 = 36
8. 8 x 20 = 160
9. 2 x 16 = 32
10. 10 x 13 = 130

Page 90

1. 6 x 18 = 108
2. 9 x 19 = 171
3. 5 x 16 = 80
4. 1 x 12 = 12
5. 4 x 15 = 60
6. 7 x 20 = 140
7. 3 x 13 = 39
8. 8 x 11 = 88
9. 2 x 17 = 34
10. 10 x 14 = 140

Page 91

1. 6 x 19 = 114
2. 9 x 20 = 180
3. 5 x 17 = 85
4. 1 x 13 = 13
5. 4 x 16 = 64
6. 7 x 11 = 77
7. 3 x 14 = 42
8. 8 x 12 = 96
9. 2 x 18 = 36
10. 10 x 15 = 150

Page 92

1. 6 x 20 = 120
2. 9 x 11 = 99
3. 5 x 18 = 90
4. 1 x 14 = 14
5. 4 x 17 = 68
6. 7 x 12 = 84
7. 3 x 15 = 45
8. 8 x 13 = 104
9. 2 x 19 = 38
10. 10 x 16 = 160

Page 93

1. 6 x 11 = 66
2. 9 x 12 = 108
3. 5 x 19 = 95
4. 1 x 15 = 15
5. 4 x 18 = 72
6. 7 x 13 = 91
7. 3 x 16 = 48
8. 8 x 14 = 112
9. 2 x 20 = 40
10. 10 x 17 = 170

Page 94

1. 16 x 2 = 32
2. 19 x 3 = 57
3. 15x10 = 150
4. 11 x 6 = 66
5. 14 x 9 = 126
6. 17 x 4 = 68
7. 13 x 7 = 91
8. 18 x 5 = 90
9. 12 x 1 = 12
10. 20 x 8 = 160

Page 95

1. 16 x 3 = 48
2. 19 x 4 = 76
3. 15 x 1 = 15
4. 11 x 7 = 77
5. 14x10 = 140
6. 17 x 5 = 85
7. 13 x 8 = 104
8. 18 x 6 = 108
9. 12 x 2 = 24
10. 20 x 9 = 180

Page 96

1. 16 x 4 = 64
2. 19 x 5 = 95
3. 15 x 2 = 30
4. 11 x 8 = 88
5. 14 x 1 = 14
6. 17 x 6 = 102
7. 13 x 9 = 117
8. 18 x 7 = 126
9. 12 x 3 = 36
10. 20x10 = 200

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Page 97

1. 16 x 5 = 80
2. 19 x 6 = 114
3. 15 x 3 = 45
4. 11 x 9 = 99
5. 14 x 2 = 28
6. 17 x 7 = 119
7. 13x10 = 130
8. 18 x 8 = 144
9. 12 x 4 = 48
10. 20 x 1 = 20

Page 98

1. 16 x 6 = 96
2. 19 x 7 = 133
3. 15 x 4 = 70
4. 11x10 = 110
5. 14 x 3 = 42
6. 17 x 8 = 136
7. 13 x 1 = 13
8. 18 x 9 = 162
9. 12 x 5 = 60
10. 20 x 2 = 40

Page 99

1. 16 x 7 = 112
2. 19 x 8 = 152
3. 15 x 5 = 75
4. 11 x 1 = 11
5. 14 x 4 = 56
6. 17 x 9 = 153
7. 13 x 2 = 26
8. 18x10 = 180
9. 12 x 6 = 72
10. 20 x 3 = 60

Page 100

1. 16 x 8 = 128
2. 19 x 9 = 171
3. 15 x 6 = 80
4. 11 x 2 = 22
5. 14 x 5 = 70
6. 17x10 = 170
7. 13 x 3 = 39
8. 18 x 1 = 18
9. 12 x 7 = 84
10. 20 x 4 = 80

Page 101

1. 16 x 9 = 144
2. 19x10 = 190
3. 15 x 7 = 105
4. 11 x 3 = 33
5. 14 x 6 = 84
6. 17 x 1 = 17
7. 13 x 4 = 52
8. 18 x 2 = 36
9. 12 x 8 = 96
10. 20 x 5 = 100

Page 102

1. 16x10 = 160
2. 19 x 1 = 19
3. 15 x 8 = 120
4. 11 x 4 = 44
5. 14 x 7 = 98
6. 17 x 2 = 34
7. 13 x 5 = 65
8. 18 x 3 = 54
9. 12 x 9 = 108
10. 20 x 6 = 120

Page 103

1. 16 x 1 = 16
2. 19 x 2 = 38
3. 15 x 9 = 135
4. 11 x 5 = 55
5. 14 x 8 = 112
6. 17 x 3 = 51
7. 13 x 6 = 78
8. 18 x 4 = 72
9. 12x10 = 120
10. 20 x 7 = 140

Page 104

1. 2 x 16 = 32
2. 3 x 18 = 54
3. 4 x 11 = 44
4. 5 x 17 = 85
5. 3 x 20 = 60
6. 2 x 19 = 38
7. 6 x 18 = 108
8. 10 x 12 = 120
9. 6 x 11 = 66
10. 10 x 14 = 140
11. 3 x 16 = 48
12. 5 x 12 = 60
13. 4 x 14 = 56
14. 10 x 13 = 130
15. 9 x 20 = 180
16. 10 x 15 = 150
17. 6 x 14 = 84
18. 5 x 20 = 100
19. 8 x 17 = 136
20. 2 x 11 = 22
21. 6 x 13 = 78
22. 3 x 12 = 36
23. 8 x 11 = 88
24. 5 x 14 = 70
25. 7 x 17 = 119
26. 9 x 12 = 108
27. 10 x 11 = 110
28. 8 x 12 = 96
29. 10 x 20 = 200
30. 9 x 14 = 126

Page 105

1. 2 x 14 = 28
2. 6 x 16 = 96
3. 3 x 14 = 42
4. 8 x 15 = 120
5. 5 x 11 = 55
6. 10 x 16 = 160
7. 4 x 19 = 76
8. 7 x 13 = 91
9. 8 x 20 = 160
10. 5 x 16 = 80
11. 9 x 13 = 117
12. 3 x 11 = 33
13. 5 x 15 = 75
14. 9 x 16 = 144
15. 8 x 19 = 152
16. 5 x 13 = 65
17. 9 x 11 = 99
18. 7 x 12 = 84
19. 8 x 18 = 144
20. 6 x 17 = 102
21. 4 x 12 = 48
22. 8 x 13 = 104
23. 10 x 19 = 190
24. 3 x 13 = 39
25. 9 x 17 = 153
26. 2 x 20 = 40
27. 3 x 15 = 45
28. 8 x 14 = 112
29. 9 x 19 = 171
30. 7 x 14 = 98

Name:	Date:
Teacher:	Part 3: Beyond the Basic Times Tables

Page 106

1.	8 x 16 = 128	1.	7 x 19 = 133	1.	4 x 13 = 52
2.	10 x 17 = 170	2.	6 x 20 = 120	2.	2 x 17 = 34
3.	6 x 12 = 72	3.	3 x 17 = 51	3.	7 x 18 = 126
4.	2 x 12 = 24	4.	4 x 16 = 64	4.	9 x 15 = 135
5.	7 x 11 = 77	5.	6 x 15 = 90	5.	3 x 19 = 57
6.	4 x 17 = 68	6.	2 x 18 = 36	6.	4 x 20 = 80
7.	5 x 18 = 90	7.	5 x 19 = 95	7.	7 x 15 = 105
8.	7 x 20 = 140	8.	7 x 16 = 112	8.	2 x 13 = 26
9.	9 x 18 = 162	9.	10 x 18 = 180	9.	4 x 18 = 72
10.	4 x 15 = 60	10.	2 x 15 = 30	10.	6 x 19 = 114

Page 107

1.	16 x 2 = 32	1.	16 x 3 = 48	1.	13 x 6 = 78
2.	18 x 3 = 54	2.	12 x 5 = 60	2.	12 x 3 = 36
3.	11 x 4 = 44	3.	14 x 4 = 56	3.	11 x 8 = 88
4.	17 x 5 = 85	4.	13x10 = 130	4.	14 x 5 = 70
5.	20 x 3 = 60	5.	20 x 9 = 180	5.	17 x 7 = 119
6.	19 x 2 = 38	6.	15x10 = 150	6.	12 x 9 = 108
7.	18 x 6 = 108	7.	14 x 6 = 84	7.	11x10 = 110
8.	12x10 = 120	8.	20 x 5 = 100	8.	12 x 8 = 96
9.	11 x 6 = 66	9.	17 x 8 = 136	9.	20x10 = 200
10.	14x10 = 140	10.	11 x 2 = 22	10.	14 x 9 = 126

Page 108

1.	14 x 2 = 28	11.	13 x 9 = 117	21.	12 x 4 = 48
2.	16 x 6 = 96	12.	11 x 3 = 33	22.	13 x 8 = 104
3.	14 x 3 = 42	13.	15 x 5 = 75	23.	19x10 = 190
4.	15 x 8 = 120	14.	16 x 9 = 144	24.	13 x 3 = 39
5.	11 x 5 = 55	15.	19 x 8 = 152	25.	17 x 9 = 153
6.	16x10 = 160	16.	13 x 5 = 65	26.	20 x 2 = 40
7.	19 x 4 = 76	17.	11 x 9 = 99	27.	15 x 3 = 45
8.	13 x 7 = 91	18.	12 x 7 = 84	28.	14 x 8 = 112
9.	20 x 8 = 160	19.	18 x 8 = 144	29.	19 x 9 = 171
10.	16 x 5 = 80	20.	17 x 6 = 102	30.	14 x 7 = 98

Page 109

1.	16 x 8 = 128	11.	19 x 7 = 133	21.	13 x 4 = 52
2.	17x10 = 170	12.	20 x 6 = 120	22.	17 x 2 = 34
3.	12 x 6 = 72	13.	17 x 3 = 51	23.	18 x 7 = 126
4.	12 x 2 = 24	14.	16 x 4 = 64	24.	15 x 9 = 135
5.	11 x 7 = 77	15.	15 x 6 = 90	25.	19 x 3 = 57
6.	17 x 4 = 68	16.	18 x 2 = 36	26.	20 x 4 = 80
7.	18 x 5 = 90	17.	19 x 5 = 95	27.	15 x 7 = 105
8.	20 x 7 = 140	18.	16 x 7 = 112	28.	13 x 2 = 26
9.	18 x 9 = 162	19.	18x10 = 180	29.	18 x 4 = 72
10.	15 x 4 = 60	20.	15 x 2 = 30	30.	19 x 6 = 114